PHASE II ENVIRONMENTAL SITE ASSESSMENT
3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

for

DOWNRIVER COMMUNITY CONFERENCE
BROWNFIELD CONSORTIUM
15100 NORTHLINE ROAD
SOUTHGATE, MICHIGAN

&

WASHTENAW COUNTY TREASURER
200 NORTH MAIN STREET, SUITE 200
ANN ARBOR, MICHIGAN 48107

AKT Peerless Project No. 6588F-2-20
September 10, 2010

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AKTPEERLESS
environmental & energy services

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

AKT PEERLESS PROJECT NO. 6588F-2-20

1.0 INTRODUCTION

On behalf of the Washtenaw County Treasurer, the Downriver Community Conference Brownfield Consortium (DCCBC) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (Phase II ESA) of a property located at 3005 Packard Street, Ann Arbor, Washtenaw County, Michigan (subject property). This Phase II ESA was conducted in accordance with (1) AKT Peerless' Proposal for a Phase II ESA (Proposal Number PF-10897), May 20, 2010 and AKT Peerless' July 19, 2010 Phase II Work Plan/Sampling and Analysis Plan (SAP), (2) AKT Peerless' Proposal for an Exploratory Test Pit Evaluation (Proposal Number PF-11208), August 24, 2010 and AKT Peerless' August 27, 2010 Phase II SAP, and (3) American Society for Testing and Materials (ASTM) Designation E 1903-97 *"Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process."*

AKT Peerless' Phase II ESA report documents the field activities, sampling protocols, and laboratory results. AKT Peerless' Phase II ESA was performed for the benefit of DCCBC and the Washtenaw County Treasurer, whom may rely on the contents and conclusions of this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND PHYSICAL SETTING

The subject property is located in the southwest quarter of Section 2 in Ann Arbor (T.3.S/R.6.E), Washtenaw County, Michigan. The subject property is situated at the northeast corner of Packard and Platt Roads. It consists of an irregularly-shaped parcel that contains approximately 0.50 acres. The Washtenaw County Treasurer is the current owner of the subject property. The subject property's parcel identification number is 09-12-02-325-011.

Refer to Figure 1 for a topographic site location map. See Figure 2 for a site map with soil boring locations.

2.2 SUBJECT PROPERTY HISTORY AND LAND USE

Based on a review of available sources, the subject property has been developed for commercial use since at least 1937. The subject property was developed as a gasoline fueling/service station from at least 1957 (potentially as early as 1937) until approximately 1966, when the building was demolished. A new gasoline fueling/service station was constructed on the northeastern portion

of the subject property in approximately 1967. Three service bays were located within the building. In 1988, the subject building was remodeled into a convenience store and vehicle servicing activities ceased. In addition, gasoline dispenser islands were relocated at this time. Canopies were constructed over the dispenser islands located in the western and southern portions of the property in 1994. The subject property occupants continued to sell convenience items and operate a gasoline fueling station until early 2010, when the property was vacated. The Washtenaw County Treasurer obtained ownership of the property in April 2010 through tax reversion. The subject property has remained vacant and unused since. Previous property owners have included H&A Investment Co, Inc., South Street Investments, LLC, and Packard Mini Mart.

2.3 ADJACENT PROPERTY HISTORY AND LAND USE

East
The eastern adjoining property (3031 Packard Road) consisted of unimproved land from at least 1937 until between 1940 and 1949, when an apparent parking area was constructed. In 1960, a commercial building was constructed. This adjoining property has been occupied by a dry cleaner since 1960. The current occupant is Wash & Dry.

South/Southeast
The southern/southeastern adjoining property, beyond Packard Road (3000-3022 Packard Road), consisted of unimproved land from at least 1937 until between 1940 and 1949, when a multi-tenant commercial building was constructed. Occupants of this property have included Steven's Department Store, Kelsey's Super Market, H&R Block, J&W Painting, Clock Shop, Community Law Office, East Ann Arbor Hardware, Women's Choice Health Clinic, Clippindales, U&I Dry Clean, AA Advice, Ann Arbor City Place, etc. This adjoining property is currently occupied by Little Caesars, Bombay Groceries, Binh's Place, Makkara Sushi, Groom & Go, and K&K Cleaners.

Southwest
The southwestern adjoining property, beyond the intersection of Packard and Platt Roads (3050 Platt Road), consisted of unimproved land from at least 1937 until between 1955 and 1963, when a commercial property was constructed. Occupants of this building included Buster's Food M, Mr. Cash, Pronto Communications, and U-Hi Co. Independent. This building was demolished and a new commercial building was constructed in 2008. This adjoining property is currently occupied by Rite Aid Pharmacy.

West (from north to south)
This western adjoining property, beyond Platt Road (2976 Cascade Road), consisted of unimproved land from at least 1937 until between 1955 and 1963, when land disturbances (likely associated with the surrounding development activities) were evident. This adjoining property was developed with the Carleton Court Apartments in the mid to late 1980s.

This adjoining property, beyond Platt Road (2995 Packard Road), consisted of unimproved land from at least 1937 until between 1949 and 1955, when commercial development began.

Between 1963 and 1969 a gasoline fueling station was constructed. This adjoining property has continued this use and is currently occupied by BP.

North (from west to east)
This adjoining [redacted] NON- RESPONSIVE) consisted of a residential property from at least 1937 until 2003, when a medical/office building was constructed. This adjoining property is currently occupied by Azilia Westfall D.D.S (dental office).

This adjoining property ([redacted] NON- RESPONSIVE consisted of unimproved land from at least 1937 until 1987, when a residential dwelling was constructed.

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

2.4.1 1994 Leaking Underground Storage Tank Incident

AKT Peerless contacted the Michigan Department of Natural Resources and Environment (MDNRE) Remediation and Redevelopment Division (RRD) Jackson District Office to review available records regarding environmental information or leaking underground storage tanks (USTs) associated with the subject property. AKT Peerless reviewed the following documents at the MDNRE RRD district office pertaining to the 1994 Leaking Underground Storage Tank (LUST) incident:

- Initial Abatement Report, dated September 24, 1994 by Envirologic Technologies, Inc. (Envirologic)
- Initial Assessment report, dated November 21, 1994 by Envirologic
- Free Product Report, dated November 21, 1994 by Envirologic
- Phase I Hydrogeologic Report, dated February 8, 1995 by Envirologic
- Phase II Hydrogeologic Work Plan, dated April 6, 1995 by Envirologic
- Final Assessment Report, dated August 28, 1997 by Fluor Daniel GTI, Inc.
- Closure Report, dated November 14, 1996 by Fluor Daniel GTI, Inc.
- Audit of Corrective Action, dated January 27, 1998 by Michigan Department of Environmental Quality (MDEQ) (currently the MDNRE)
- Letter in Response to Corrective Action Audit, dated June 29, 1998 by Fluor Daniel GTI, Inc.
- Audit of Corrective Actions, dated July 8, 1998 by MDEQ

Envirologic conducted a subsurface investigation at the subject property in 1994 as part of a UST removal and upgrade project (new USTs, piping, pumps). Three soil borings were advanced near the USTs located onsite at that time (6,000-gallon gasoline UST, 20,000-gallon dual compartmented gasoline UST, and a 1,000-gallon kerosene UST). Based on the field screening and analytical results, a confirmed release was reported on September 15, 1994.

As part of initial assessment activities, nine soil borings (SB-1 through SB-9) and one temporary monitor well were advanced at the subject property. Laboratory analytical results identified concentrations of petroleum contaminants above the former Michigan Environmental Resource

Act (MERA) Type B Cleanup Criteria. In addition, free phase kerosene was identified in soil borings SB-6 and SB-7 located near the kerosene UST. Between November 16 and 17, 1994, the gasoline and kerosene UST systems were removed. In addition, a total of 870 cubic yards of soil was excavated and disposed offsite from the two UST excavation areas. Confirmatory soil samples were collected from the two excavations identifying the presence of soil contamination above the MERA Type B Criteria. The current UST (20,000-gallon dual compartment gasoline) was installed at this time just west of the former 20,000-gallon UST excavation. In addition, a free product recovery well (RW-1) was installed in the kerosene excavation prior to backfilling with clean fill. Free product recovery occurred using a bailer. According the Free Product Recovery Report, one inch of product was observed and approximately 0.125 gallons was recovered.

Envirologic implemented a Phase I Hydrogeological Study on January 9, 1995, which included the advancement of five soil borings (MW-1, MW-2, MW-2D, and SB-10), the installation of groundwater monitoring wells, and soil and groundwater sampling. Soil laboratory analytical results indicated concentrations of benzene, toluene, ethylbenzene, xylenes (BTEX) were detected above MERA Type B Criteria, polynuclear aromatic hydrocarbons (PNAs) and methyl tert-butyl ether (MTBE) were detected below MERA Type B Criteria, and lead was detected below MERA Default Type A Criteria. Groundwater analytical results identified concentrations of BTEX and MTBE above MERA Type A Criteria and PNAs and lead below laboratory method detection limits (MDLs). Envirologic concluded that additional investigations were warranted to define the extent of BTEX and MTBE in groundwater. The MDEQ conducted an audit of the Study on February 15, 1997 and concluded the report to be adequate.

Envirologic submitted a Phase II Hydrogeological Work Plan to the MDEQ on April 7, 1995 proposing the advancement of 11 soil borings and the installation of 8 monitoring wells to further define the extent of impact at the subject property. In addition, according to the document, a total of 5.25 gallons of free product had been recovered as of April 7, 1995. The MDEQ concluded the Work Plan to be acceptable.

Fluor Daniel GTI, Inc. submitted a FAR to the MDEQ on August 28, 1997. According to the FAR, the advancement of 13 additional soil borings, the installation of 13 groundwater monitoring wells, and soil and groundwater sampling had occurred in 1997. According to the FAR, free product was not detected in the monitoring wells and the horizontal and vertical extent of BTEX and MTBE contamination had been defined in groundwater.

Fluor Daniel GTI, Inc. submitted a Tier I Unrestricted Residential Closure Report to the MDEQ on November 14, 1997. No additional investigation activities had occurred as part of the closure activities. According to the Closure Report, the extent of soil and groundwater contamination had been defined to the applicable Tier I Residential Risk Based Screening Levels (RBSLs) which included soil and groundwater Direct Contact Criteria. Volatilization to Indoor Air was not determined to be a relative exposure pathway based on the depth of groundwater (6 to 8 feet bgs).

The MDEQ conducted an Audit of Corrective Actions on January 27, 1998. The MDEQ did not concur with the conclusions of the Closure Report. Specifically, the report did not address

offsite migration or restrict the possible usage of impacted groundwater. MW-12 is located along the western property boundary and contained benzene at 1,400 parts per billion (ppb) and other gasoline constituents indicating contamination had migrated offsite. Information on file for the western adjoining gasoline fueling station, beyond Platt Road (2995 Packard Road) indicated contamination had not crossed the roadway. In addition, geology at the subject property consisted of interbedded clay and sand to approximately 18 feet bgs, where the sand layer could be utilized as source of drinking water.

Fluor Daniel GTI, Inc. prepared an amended Tier II Restricted Commercial III Closure Report in response to the MDEQ's audit of corrective actions. As part of the amended document, a Restrictive Covenant was filed for the subject property on March 16, 1998. The Restrictive Covenant indicates the following:

- Land use of the subject property shall be consistent with the Commercial III category;
- Soil shall not be removed from the property unless it is characterized;
- All workers who may come into contact with the groundwater must wear OSHA approved personal protective equipment;
- All concrete floors in the existing buildings located onsite must be adequately maintained to minimize the potential for vapor intrusion into the building from subsurface soils or groundwater;
- Construction of any buildings within the restricted area shall include the installation and maintenance of concrete floors or other barrier to vapor intrusion;
- Groundwater at the property cannot be used for potable or nonpotable purposes; and
- Installation of groundwater wells for any use other than monitoring quality is prohibited.

An audit of Corrective Actions was performed by the MDEQ on July 9, 1998. The MDEQ concurred that the corrective actions had been completed in accordance with Part 213 resulting in a Tier II Commercial III Closure with Institutional Controls.

2.4.2 January 2004 Phase I ESA, prepared by PM Environmental

PM completed a Phase I ESA of the subject property in January 2004 as part of a real estate transaction. PM identified the following RECs associated with the subject property:

- The possible former use of a heating oil UST associated with the former subject building.
- A possibility that orphan USTs installed prior to 1955 exists. Additionally, records pertaining to the removal of the 550-gallon and 1,000-galon USTs installed in 1966 were not identified.
- The potential for hazardous materials associated with the former automotive service station operations from at least 1967 until 1988 to have been discharged onto the ground or into an onsite septic system via floor drains.
- The unknown integrity of the former hoist system and the potential for underground reservoirs and hydraulic oil to have impacted the subsurface.
- The use of the current UST system and associated pumps islands since 1997 (actually 1994).

- The east and south adjoining properties are currently and/or have historically operated as dry cleaning facilities.
- The southwest adjoining property is listed as a registered UST site. No records were identified for this property by the MDNRE.
- A closed LUST site (3055 Packard Road) is located approximately 400 feet east of the subject property.

2.4.3 April 2004 Phase II ESA, prepared by PM Environmental

In April 2004, PM conducted an initial Phase II ESA of the subject property to address the RECs identified in their January 2004 Phase I ESA. The subsurface investigation consisted of (1) the completion of a geophysical survey around the perimeter of the subject building, (2) the advancement of five soil borings (which were all converted to temporary monitor wells, and (3) the collection of groundwater from six existing groundwater monitoring wells. Results of the Phase II ESA identified concentrations of contaminants similar to those identified in the 1997 Closure Report. The geophysical survey did not identify anomalies indicating the presence of orphaned USTs. However, AKT Peerless notes that the survey was conducted only around the perimeter of the subject building and did not include the remaining portions of the subject property.

2.4.4 October 2005 Phase I ESA Update, prepared by PM Environmental

PM completed a Phase I ESA Update of the subject property in October 2005 that identified the following RECs:

- Review of previous LUST closure activities indicates previous soil and groundwater samples collected for laboratory analysis were not analyzed for the current required gasoline parameters.
- No verification sampling was conducted in the areas of the former gasoline and kerosene pump islands to the west and south of the subject building.
- Review of analytical results from previous site investigations indicate soil contamination is not delineated to the east and south of PSB-5 and MW-3, and to the west of PSB-3, PSB-5, SB-10, SB-5, and MW-8 to the current Part 213 Tier I Soil Drinking Water RBSLs, which are the current Part 213 LUST closure requirements.
- Review of analytical results from PM's 2004 Phase II ESA indicates soil contaminant concentrations of xylenes were identified at PSB-5 above the current Part 213 Tier I Commercial III Soil Volatilization to Indoor Air Inhalation RBSLs and Soil Direct Contact RBSLs, and above the Part 213 Soil Saturation Concentration (Csat) Screening levels. No free product was observed in the temporary monitor well set at the boring location; however, the possibility exists for free product to exist near the area of PSB-5.
- Review of analytical results from previous site investigations indicates groundwater contamination is not delineated to the east of MW-11, MW-3 and MW-6, to the south of MW-6, MW-14, and MW-13, and to the west of MW-13, MW-2, MW-1, MW-8, MW-12, and TMW-3, to the current Part 213 Tier I Groundwater Drinking Water RBSLs, which are the current Part 213 LUST closure requirements.

2.4.5 May 2006 Baseline Environmental Assessment, Prepared by PM Environmental

PM completed an additional site investigation in May 2006 which included (1) advancing two soil borings, (2) installing one temporary monitor well, and (3) sampling 10 existing groundwater monitoring wells. Results of the investigation identified various concentrations of VOCs in soil and groundwater exceeding the MDNRE Part 213 Tier I Residential and Commercial III Drinking Water Protection, Soil Volatilization to Indoor Air, and Drinking Water RBSLs. Based on these results, the subject property meets the definition of a *facility* as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

PM completed a Category S (same hazardous substance) Baseline Environmental Assessment (BEA) for the subject property on May 31, 2006 based on the results of PM's subsurface investigations. Tank tightness testing was conducted on the current UST system (Tank No. 5) on May 26, 2006. Results of the tightness testing indicated that the UST and product lines passed. Therefore, the UST system was used as an engineering control as an alternative approach for the BEA. In addition semi-annual groundwater samples were to be collected from up to six existing groundwater monitoring wells to distinguish existing contamination from a new release (unknown if this sampling was completed). The BEA was disclosed to the MDEQ on June 7, 2006. The MDEQ acknowledged receipt of the BEA on June 13, 2006.

2.4.6 July 2010 Phase I ESA, Prepared by AKT Peerless

On July 9, 2010, AKT Peerless completed a Phase I ESA of the subject property. AKT Peerless' Phase I ESA identified the following RECs in association with the subject property:

- **REC#1**: The subject property operated as an automotive service garage from at least 1957 (potentially as early as the 1930s) until between 1963 and 1966, when the original building was demolished. The current building was constructed in 1966 and continued operation as a service garage until approximately 1988, when the building was remodeled. Three service bays were formerly located in the subject building. This former use entailed the use and storage of petroleum products and hazardous materials/wastes and potentially former hoist systems. Drum imprints were observed to the north and east of the subject building. In addition, specific details pertaining to when municipal sewer service was connected to the subject property (prior to 1966) was not identified. Therefore, the potential for a septic system to have been utilized and/or abandoned at the subject property exists.
- **REC#2**: The subject property operated as a gasoline fueling station from at least 1957 (potentially as early as the 1930s) until approximately 2009/early 2010. This former operation entailed the use of a 1,000-gallon fuel oil (later converted to kerosene) UST, a 6,000-gallon gasoline UST, and a 20,000-gallon dual compartment gasoline UST. These USTs were removed in 1994. An "out-of-service" (reportedly empty) 20,000-gallon dual compartment gasoline UST and out of service dispenser islands are currently located on the western and southern portions of the subject property. Specific details pertaining to the current compliance status of the out-of-service UST was not identified.
- **REC#3:** A 550-gallon "slop oil" UST was installed at the northwest corner of the subject building in 1966. A drain line extended from the UST into the northern portion of the subject building. Soil borings have not been conducted in the area of this UST during previous

investigation activities. In addition, a 4,000-gallon gasoline UST was installed at the subject property 1959. Records of removal of these USTs and associated components were not identified. Furthermore, the potential exists for additional abandoned USTs (including a heating oil UST) to be present at the subject property. A geophysical survey was conducted around the perimeter of subject building in 2004 which did not identify the presence of abandoned USTs. However, the geophysical survey was not conducted throughout the entire subject property.

- **REC#4:** A confirmed release was reported for the subject property in 1994. Several investigation activities were conducted from 1994 through 1997 to address the confirmed release. The release was granted a Tier II Restricted Use Commercial III Closure in 1998. A Restrictive Covenant was filed for the subject property on March 16, 1998. Subsurface investigations were most recently conducted in 2004 and 2006 as part of a property transaction. Results of the previous subsurface investigation activities identified the presence of soil and groundwater contamination (gasoline related VOCs and PNAs) at the subject property above the MDNRE Part 213 Tier 1 Residential and Commercial III RBSLs. Based upon the presence of contaminants at concentrations above the applicable Part 213 Tier 1 Residential and Commercial II RBSLs, the subject property meets the definition of a *facility*. In addition, contamination appears to have migrated offsite to the west and south.
- **REC#5:** The eastern adjoining property (3031 Packard Road) may present an environmental concern to the subject property based on (1) the site has operated as a drycleaners since at least 1961, (2) a solvent UST was installed at the property in 1969 and was closed in place (specific detail pertaining to the closure was not obtained), (3) the building is located directly east of the subject property, and (4) soil borings/monitoring wells, with a full VOC scan, have not been conducted along the subject property boundary to address this adjoining operation of potential concern.

Because RECs were identified during the performance of the Phase I ESA, further investigation and/or assessment was recommended in order to determine the nature, extent, magnitude, and materiality of the REC associated with the subject property.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

3.1 SCOPE OF ASSESSMENT

To further evaluate the RECs identified in AKT Peerless' July 2010 Phase I ESA, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) the completion of a geophysical survey, (2) the advancement of 8 soil borings, (3) the installation of 3 temporary groundwater monitoring wells, (4) the collection of 8 soil samples and 3 groundwater samples from the soil boring locations, and (5) the collection of nine groundwater samples from existing groundwater monitoring wells. The following samples were submitted for laboratory analyses:

- Three soil samples for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), cadmium (Cd), chromium (Cr), lead (Pb), and polychlorinated bi-phenyls (PCBs).
- Three soil samples for VOCs, PNAs, Cd, Cr, and Pb.

- Two soil samples for leaded gasoline indicator parameters[1] and methyl-tertiary-butyl-ether (MTBE).
- Nine groundwater samples for leaded gasoline indicator parameters and MTBE.
- Two groundwater samples for VOCs, PNAs, Cd, Cr, and Pb.
- One groundwater sample for VOCs.

The following table summarizes each REC, the site investigation activities performed to address each REC, and the laboratory parameters used to address each REC.

Summary of AKT Peerless' Scope of Investigation

REC #	Environmental Concern	Investigation Activity	Analytical Parameters
REC 1	Hazardous substance use associated with automotive service operations conducted inside the subject building.	B-1, B-2, B-3, B-4W, B-5, B-6	VOCs, PNAs, Cd, Cr, Pb, PCBs, leaded gasoline indicator parameters, and/or MTBE.
REC 2	Historical utilization of fuel oil, kerosene, and gasoline UST systems at the subject property.	B-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, and sampling from 9 existing groundwater monitor wells	VOCs, PNAs, Cd, Cr, Pb, PCBs, leaded gasoline indicator parameters, and/or MTBE.
REC 3	Potential for abandoned used oil UST and/or gallon gasoline UST and additional USTs.	Geophysical survey, B-1, B-8	VOCs, PNAs, Cd, Cr, Pb, PCBs
REC 4	Previously identified soil and groundwater contamination stemming from regulated UST systems located at the subject property.	B-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, and sampling from 9 existing groundwater monitor wells	VOCs, PNAs, Cd, Cr, Pb, PCBs, leaded gasoline indicator parameters, and/or MTBE.
REC 5	The eastern adjoining property has operated as a dry cleaner since the early 1960s.	B-4, B-5	VOCs, PNAs, Cd, Cr, Pb

In addition, to evaluate the two anomalies identified during the geophysical survey, AKT Peerless oversaw the advancement of two exploratory test pits at the subject property. The following samples were submitted from the test pits for laboratory analysis:

- Six soil samples for VOCs, PNAs, and PCBs.

3.1.1 Geophysical Survey

On July 21, 2010, Geophysical Imaging, Inc. (GII) conducted a geophysical survey using electromagnetic (EM) induction and ground penetrating radar (GPR) over the entire subject property, except within the subject building. The purpose of the geophysical survey was to detect if underground storage tanks are present at the subject property.

[1] Leaded gasoline indicator parameters include: benzene, toluene, ethylbenzene, xylenes, trimethylbenzene isomers, ethylene dibromide, 1,2-dichloroethane, naphthalene, 2-methylnaphthalene, and lead.

The EM survey was conducted utilizing a GSSI EMP-400, which is equipped with a multi-frequency profiler with integrated GPS. The EM equipment was calibrated prior to conducting the survey. Strong anomalies identified during the EM survey were likely associated with the known aboveground interferences, including the subject building and other structures such as catch basins and light poles.

The GPR was conducted using a GSSI SIR-3000 GPR system with a 400-MHz dipole antenna mounted on a wheeled cart. Test scans were performed to calibrate the equipment prior to conducting the survey. The GPR survey was performed by making linear profiles spaced 2.5-feet apart. The survey identified four anomalies. One anomaly represents the known UST located in the western portion of the subject property. Two of which may represent abandoned USTs located in the northern and southwestern portions of the subject property and lastly, one anomaly that represents a former UST cavity (located to the south of the subject building).

Refer to Appendix A for a copy of the geophysical survey report by GII.

3.1.2 Soil Evaluation

On July 23, 2010, AKT Peerless advanced 8 soil borings at the subject property. AKT Peerless used hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the drilling procedures outlined in ASTM publication D 6282-98 "*Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations.*" AKT Peerless collected continuous soil samples from the soil borings in four-foot intervals to the maximum depth explored of 16 feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix B.

3.1.3 Groundwater Evaluation

AKT Peerless encountered groundwater in 7 of the 8 soil borings advanced at the subject property. AKT Peerless installed a temporary groundwater monitor well at 3 of the 7 boring locations where groundwater was encountered. A one-inch PVC riser with a five-foot screen was utilized for each temporary groundwater monitor well. In addition, AKT Peerless sampled groundwater from 9 existing groundwater monitor wells at the subject property. Groundwater sampling was conducted using low-flow sampling methodologies described in the April 1996 United States Environmental Protection Agency (U.S. EPA) document Groundwater Issue titled "*Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures.*" Stabilization data recorded for each well were documented in Low-Flow Sampling Logs included in Appendix C. Refer to Figure 2 for a site map with monitor well locations.

3.1.4 Test Pit/UST Evaluation

On September 2, 2010, AKT Peerless conducted oversight of the advancement of two test pits (Test Pit 1 and 2) at the subject property to further evaluate the anomalies identified during the geophysical survey conducted during this Phase II site investigation. During test pitting activities, two USTs were identified (one at each test pit location).

Test Pit 1

In Test Pit 1, located immediately north of the subject building, a 550-gallon slop oil UST was identified. The UST appeared to be in good condition with no noticeable holes or rusting. The UST was confirmed to contain an inert material (i.e. concrete and/or sand). According to property records, this UST was reportedly installed in 1966. The date the UST was "closed in place" could not be determined.

AKT Peerless collected four soil samples from beneath the 550-gallon slop oil UST. AKT Peerless submitted the soil samples for laboratory analysis of VOCs, PNAs, and PCBs.

Test Pit 2
In Test Pit 2, located in the southwester portion of the subject property, a 550-gallon UST was identified. The UST appeared to be in good condition with no noticeable holes or rusting. The UST was confirmed to contain an inert material (i.e. concrete and/or sand). The former contents, installation date, and the date the UST was "closed in place" could not be determined.

AKT Peerless collected four soil samples from beneath the 550-gallon UST. AKT Peerless submitted the soil samples for laboratory analysis of VOCs, PNAs, and PCBs.

Refer to Figure 5 for a map depicting the test pits locations. Refer to Appendix E for photographs taken during test pitting activities.

3.1.5 Deviations from the Sampling and Analysis Plan

This Phase II ESA was conducted under a U.S. Environmental Protection Agency (EPA) Brownfield Assessment Grant awarded to DCCBC. On July 19, 2010, AKT Peerless prepared a Phase II ESA SAP on behalf of DCCBC. On July 22, 2010, the SAP was approved by the EPA Region 5 Project Manager. In completing field activities, the following deviations from the approved SAP were made:

- AKT Peerless anticipated collecting groundwater samples from 10 existing permanent monitor wells located at the subject property; however, one of the previously identified nested well sets only had one monitor well instead of two. Therefore, AKT Peerless only collected and submitted nine groundwater samples for analysis from the permanent monitor wells.
- Groundwater in the B-4 and B-5 temporary monitor well locations was not sampled according to low-flow protocols due to low recharge volume.
- Insufficient amounts of groundwater were encountered at the B-4 temporary monitor well location. A sample was only collected and submitted for analysis of VOCs.

In addition, on August 27, 2010, AKT Peerless prepared a second Phase II ESA SAP regarding the test pit/UST evaluation. On August 31, 2010, the SAP was approved by the EPA Region 5 Project Manager. In completing field activities, the following deviations from the approved SAP were made:

- AKT Peerless conducted the advancement of two test pits (Test Pit 1 and 2) and in each test pit a 550-gallon UST was identified. The removal of these USTs was not required because it

was determined that both USTs were closed in placed and filled with an inert material (i.e. concrete and/or sand). Therefore, the USTs were left in place and soil samples were collected surrounding each UST for evaluation of residual soil impact.

3.2 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, and (4) sample preservation techniques.

3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil and groundwater samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent.
- Rinsing the equipment.
- Air-drying the equipment.

3.2.2 Calibration of Field Equipment

All field instruments were calibrated prior to first use on-site to ensure accuracy. Field instruments utilized during investigation activities at this subject property were a photoionization detector (PID), a water quality indicator meter (the meter measures pH, temperature, dissolved oxygen, conductivity and oxidation reduction potential), and a turbidity meter.

During AKT Peerless' Phase II ESA, a photoionization detector (PID) was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 ppm isobutylene span gas prior to subsurface investigations.

The water quality indicator meter was used to measure indicator parameters during low-flow sampling conducted at the subject property. The meter was calibrated using known standards and in accordance with manufacturer specifications prior to first use on the subject property. The meter was designed to measure pH, temperature, dissolved oxygen, conductivity, and oxidation reduction potential.

The turbidity meter was used during low-flow sampling conducted at the subject property. The meter was calibrated using known standards and in accordance with manufacturer specifications prior to first use on the subject property.

3.2.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e. soil boring locations, weather conditions) were documented. AKT Peerless visually inspected the soil and groundwater samples and prepared a geologic log for each soil boring. The logs include soil

characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488 "*Unified Soil Classification System.*" All soil and groundwater samples were delivered to a laboratory under chain-of-custody documentation. See Appendix B for AKT Peerless' soil boring logs. See Figure 2 for site map with soil boring locations.

3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, "*Test Methods for Evaluating Solid Waste.*" Soil and groundwater samples were collected in laboratory-supplied containers, stored on ice or at approximately 4 degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for volatile analyses were field preserved with methanol in accordance with U.S. EPA Method 5035. Soil samples collected for PNAs and metals analyses were stored in unpreserved, 4-ounce wide-mouth jars.

Groundwater samples collected from temporary and permanent wells were collected with a peristaltic pump and dedicated tubing. Groundwater samples for volatile organic compound analyses were collected with zero headspace into 40 ml glass vials and preserved with hydrochloric acid. Groundwater samples for metals analyses were collected into plastic bottles and preserved with nitric acid. Groundwater samples collected for analysis of PNAs were collected into 1-liter amber glass jars.

3.2.5 QA/QC Sample Collection

AKT Peerless collected QA/QC samples for soil and water matrices in accordance with QA/QC sample procedures outlined in the "*Quality Assurance Project Plan (QAPP), Brownfield Assessment Program, Hazardous Substances and Petroleum Site Assessment Grant*, prepared for the DCCBC in 2009. The following tables describe the QA/QC samples collected for each matrix.

Summary of AKT Peerless' QA/QC Sampling – Soil Boring Activities

QA/QC Sample	Laboratory Analytical Parameter(s)	Matrix	Number of Samples
Field Duplicates	VOCs, PNAs, Cd, Cr, Pb	Soil	1
	VOCs, PNAs, Cd, Cr, Pb, leaded gasoline, and/or MTBE	Groundwater	2
Field Blank	VOCs, PNAs, Cd, Cr, Pb	Water	1
Equipment Blanks	VOCs, PNAs, Cd, Cr, Pb	Water	2
Matrix Spike/ Matrix Spike Duplicate	VOCs, PNAs, Cd, Cr, Pb	Soil	1
	Leaded gasoline + MTBE	Groundwater	1
Trip Blank	VOCs	Water	1
Methanol Blank	VOCs	Methanol	1

Summary of AKT Peerless' QA/QC Sampling – Test Pit/UST Evaluation

QA/QC Sample	Laboratory Analytical Parameter(s)	Matrix	Number of Samples
Field Duplicate	VOCs, PNAs, PCBs	Soil	1
Field Blank	VOCs, PNAs, PCBs	Water	1
Matrix Spike/ Matrix Spike Duplicate	VOCs, PNAs, PCB	Soil	1
Trip Blank	VOCs	Water	1

3.3 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted 16 soil and 12 groundwater samples for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analysis for each sample.

Summary of Laboratory Analyses

Sample Name/Depth **(in feet)**	**Matrix**	**VOCs**	**PNAs**	**Cd, Cr, and Pb**	**PCBs**	**Leaded Gasoline + MTBE**
B-1 (1-3)	Soil	☑	☑	☑	☑	-
B-1W	Groundwater	☑	☑	☑	-	-
B-2 (2-4)	Soil	☑	☑	☑	☑	-
B-3 (2-4)	Soil	☑	☑	☑	-	-
B-4 (1-3)	Soil	☑	☑	☑	-	-
B-4W	Groundwater	☑	-	-	-	-
B-5 (7.5-8)	Soil	☑	☑	☑	-	-
B-5W	Groundwater	☑	☑	☑	-	-
B-6 (4-6)	Soil	-	-	-	-	☑
B-7 (3-4)	Soil	-	-	-	-	☑
B-8 (4-6)	Soil	☑	☑	☑	☑	-
MW-2	Groundwater	-	-	-	-	☑
MW-4	Groundwater	-	-	-	-	☑
MW-4D	Groundwater	-	-	-	-	☑
MW-5	Groundwater	-	-	-	-	☑
MW-7	Groundwater	-	-	-	-	☑
MW-8	Groundwater	-	-	-	-	☑
MW-9	Groundwater	-	-	-	-	☑
MW-10	Groundwater	-	-	-	-	☑
MW-D	Groundwater	-	-	-	-	☑
TP-1 SS-1 4'	Soil	☑	☑	-	☑	-
TP-1 SS-2 4'	Soil	☑	☑	-	☑	-
TP-1 SS-3 4'	Soil	☑	☑	-	☑	-
TP-1 SS-4 4'	Soil	☑	☑	-	☑	-

Sample Name/Depth **(in feet)**	**Matrix**	**VOCs**	**PNAs**	**Cd, Cr, and Pb**	**PCBs**	**Leaded Gasoline + MTBE**
TP-2 SS-1 3'	Soil	☑	☑	-	☑	-
TP-2 SS-2 3'	Soil	☑	☑	-	☑	-
TP-2 SS-3 3'	Soil	☑	☑	-	☑	-
TP-2 SS-4 3'	Soil	☑	☑	-	☑	-

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Methods 5035/8260B; (2) PNAs in accordance with USEPA Methods 3550B/8270C; (3) cadmium, chromium, and lead in accordance with USEPA Methods 3050B/6020, (4) PCBs in accordance with USEPA Methods 3550B/8082, and (5) leaded gasoline indicator parameters and MTBE in accordance with USEPA Methods 200.8 and 8260B.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Soil and Groundwater Conditions based on Published Material

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan*, soil in the area is end moraines of fine-textured till. This soil is described as gray, grayish brown or reddish brown, nonsorted glacial debris. The matrix is dominantly clay, clay loam, or silty clay loam texture, with variable amounts of cobbles and boulders. This soil occurs in narrow linear belts of hummocky relief marking former stillstands of ice-sheet margin and includes small areas of ground moraine as well as outwash. Soil thickness tends to be somewhat greater than adjacent ground moraine areas. Typically, end moraines of fine-textured till are associated with low to moderate hydraulic permeability and may allow the movement of contaminants through groundwater.

According to the USDA's *Soil Survey of Washtenaw County, Michigan* (1977), soil at the subject property is classified as belonging to the Morley-Blount association. This soil is described as "*nearly level to steep, well drained to somewhat poorly drained soil that has a moderately fine textured and fine textured subsoil and moderately fine textured underlying material; on moraines and till plains.*" As indicated on Photo Sheet 33 of the soil survey, subject property soil is described as belonging to Nappanee silty clay loam, 2 to 6 percent slopes (NaB).

According to the USGS' *Topographic Map of the Ypsilanti West Quadrangle*, which was published in 1967 and was photorevised in 1983, the subject property is situated between 800 and 820 feet above the National Geodetic Vertical Datum (NGVD). The subject property's topography appears relatively flat with a slight decline to the west/northwest.

According to previous environmental investigations of the subject property, groundwater has been encountered at depths ranging from 6-13 feet below ground surface (bgs). Groundwater was previously encountered throughout the subject property.

Typically, the water table flows toward a major drainage feature or in the same direction as the drainage basin. The Swift Drain, which flows to the northeast toward the Huron River, is located approximately 1,500 feet southeast of the subject property; therefore, groundwater flow is anticipated to be in a northeasterly direction. According to previous environmental investigations, the lateral groundwater flow at the subject property is reportedly varied due to the presence of fill, UST system components, and subsurface utilities.

4.1.2 Soil and Groundwater Conditions based on Field Observations

During soil boring activities, AKT Peerless encountered an extensive clay formation that begins just below ground surface and extends to a maximum investigated depth of 16 feet bgs with laterally discontinuous layers of silt and sand encountered at varying depths. Fill sand was encountered in a former UST cavity.

The hydrogeology consists of a shallow, intermittent, groundwater bearing formation that is perched and/or trapped in some areas of the subject property. In other areas, saturated silt seams were encountered at depths of approximately 11.5 feet bgs. The saturated thickness of the groundwater bearing formation varies and ranges from six inches to at least 4.5 feet. The apparent water table varies between 3 and 13 feet bgs.

The subsurface soil at the property are consistent with the description of end moraines of fine-textured till as described in the *Quaternary Geology of Southern Michigan.* See Figure 2 for a site map with soil boring locations. See Appendix B for AKT Peerless' soil boring logs.

4.2 MDEQ RELEVANT EXPOSURE PATHWAYS AND APPLICABLE CRITERIA

4.2.1 Relevant Exposure Pathways

As defined in Michigan Public Act 451 Part 201, "relevant pathway" means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance. The analysis of potential exposure pathways is based on known existing conditions at the subject property. The following subsections identify the relevant exposure pathways based on the subject property conditions observed.

4.2.1.1 Ingestion of Groundwater Pathway

Groundwater was encountered in seven of the eight soil borings drilled at the subject property. The groundwater appears to be hydraulically continuous across the subject property and have a saturated thickness ranging from six inches to at least 4.5 feet. A more detailed hydrogeological investigation would need to be completed to determine if the groundwater encountered at the subject property was in communication with and/or considered part of a usable aquifer. Since potable water is supplied to the subject property via a municipal source and there are no potable water supply wells on the subject property, the ingestion of groundwater is unlikely to occur. In addition, institutional controls placed on the deed of the subject property restrict the installation of potable water supply wells. However, for the purpose of determining if soil and/or groundwater contaminant concentrations exceed MDNRE Generic Residential Cleanup Criteria (GRCC) for the purpose of determining *facility* status, ingestion of groundwater at the subject property is a relevant exposure pathway.

4.2.1.2 Groundwater Venting to Surface Water Pathway

Groundwater Venting to Surface Water is not a human exposure pathway, but rather an exposure pathway based on aquatic toxicity. A storm water conveyance system is located in the western portion of the subject property and discharges to the closest surface water body. In addition, identified soil and groundwater impact is located in close proximity to the storm drain system. Therefore, hazardous substances in the groundwater are reasonably expected to vent to surface water bodies of the state above Groundwater Surface Water Interface Cleanup Criteria and groundwater venting to surface water is a relevant exposure pathway.

4.2.1.3 Groundwater Contact Pathway

Groundwater was encountered in 7 of the 8 soil borings drilled at the subject property. The apparent water table varies between 3 and 13 feet bgs. Therefore, groundwater contact is a relevant exposure pathway due to the shallow occurrence of groundwater.

4.2.1.4 Volatilization to Indoor Air Inhalation Pathway

Volatilization to Indoor Air Inhalation is a relevant exposure pathway.

4.2.1.5 Volatilization to Ambient Air Pathway

Volatilization to Ambient Air is a relevant exposure pathway.

4.2.1.6 Particulate Inhalation Pathway

Particulate Inhalation is a relevant exposure pathway.

4.2.1.7 Direct Contact Pathway

Direct Contact is a relevant exposure pathway.

4.2.2 Applicable Criteria

Applicable criterion means a cleanup criterion for a relevant pathway. A criterion is not applicable if the exposure pathway is not relevant. Based on the exposure pathway evaluation, the applicable pathways at the subject property include:

- Drinking Water Protection Criteria (DWP)/Drinking Water Criteria (DW);
- Groundwater to Surface Water Protection Criteria (GSIP)/Groundwater to Surface Water Criteria (GSI);
- Groundwater Contact Protection Criteria (GCP);
- Soil Volatilization to Indoor Air Inhalation (SVIAI)/Groundwater Volatilization to Indoor Air Inhalation (GVIAI);
- Infinite Source Volatile Soil Inhalation (VSIC);
- Particulate Soil Inhalation (PSI), and;
- Soil Direct Contact (DC)/Groundwater Contact (GC);

AKT Peerless compared the laboratory analytical data to the applicable Part 201 GRCC as published by the MDNRE RRD.

4.3 LABORATORY ANALYTICAL RESULTS

AKT Peerless collected soil and groundwater samples for the purpose of determining if the subject property meets the definition of a *facility*. Analytical results were compared with MDNRE Residential and Commercial I Generic Cleanup Criteria provided in MDNRE Remediation and Redevelopment Division's Operational Memorandum No. 1, Tables 1 and 2.

4.3.1 Soil Analytical Results – Soil Boring Activities

AKT Peerless submitted 8 soil samples for laboratory analysis of VOCs, PNAs, Cd, Cr, Pb, PCBs, and/or leaded gasoline indicator parameters and MTBE. The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

Soil Boring Location & Depth	Parameter	MDNRE Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSIC	PSI	DC
B-1 (1-3)	Xylenes	-	☑	-	-	-	-	-
B-5 (7.5-8)	n-Butylbenzene	☑	-	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
Soil Duplicate (B-5)	n-Butylbenzene	☑	-	-	-	-	-	-
	Ethylbenzene	-	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
	1,2,4-TMB	-	☑	-	-	-	-	-
B-6 (4-6)	Benzene	☑	-	-	☑	-	-	-
	Ethylbenzene	☑	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
	Xylenes	-	☑	-	-	-	-	-
B-7 (3-4)	Benzene	☑	-	-	-	-	-	-
	Ethylbenzene	☑	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-

Notes:
*- Sample identification: B-# indicates soil boring and (#-#) indicates sample depth in feet.
DWP – Drinking Water Protection Criteria
GSIP – Groundwater Surface Water Interface Protection Criteria
GCP – Groundwater Contact Protection Criteria
SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria
VSIC – Volatile Soil Inhalation Criteria
PSI – Particulate Soil Inhalation Criteria
DC – Direct Contact Criteria

- Based on a review of the soil analytical results, cadmium, chromium, and lead were not detected in soil samples above MDNRE GRCC.
- PCBs were not detected above laboratory method detection limits in any of the soil samples submitted for PCB analysis.
- PNAs including benzo(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene were detected at the B-1 soil sample location above laboratory method detection limits and below MDNRE GRCC. Other PNAs were not detected above laboratory method detection limits.
- Contaminant concentrations of benzene, n-butylbenzene, ethylbenzene, and n-propylbenzene, were detected in soil sample locations above MDNRE DWP GRCC.
- Contaminant concentrations of ethylbenzene, naphthalene, 1,2,4-trimethylbenzene (1,2,4-TMB), and xylenes were detected in select soil sample locations above MDNRE GSIP GRCC.
- Contaminant concentrations of benzene were detected in the B-6 (4-6) soil sample location above MDNRE SVIAI GRCC.

Refer to Figure 3 for a site map with soil analytical results exceeding MDNRE GRCC. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix D for a complete analytical laboratory report.

4.3.2 Groundwater Analytical Results

AKT Peerless submitted 12 groundwater samples for laboratory analysis of VOCs, PNAs, Cd, Cr, Pb, and/or leaded gasoline indicator parameters + MTBE. The results of the laboratory analyses of the groundwater samples are summarized in the table below:

Summary of Groundwater Analytical Results

Sample Location	Parameter	MDNRE Criteria Exceeded			
		DW	GSI	GVIAI	GC
MW-2	MTBE	☑	-	-	-
MW-4	MTBE	☑	-	-	-
MW-5	MTBE	☑	☑	-	-
MW-7	Benzene	☑	☑	-	-
	Ethylbenzene	☑	☑	-	-
	MTBE	☑	-	-	-
	Naphthalene	-	☑	-	-
	Xylenes	-	☑	-	-
MW-8	Benzene	☑	-	-	-
	Ethylbenzene	☑	☑	-	-
	Naphthalene	-	☑	-	-
	n-Propylbenzene	☑	-	-	-
	1,2,4-TMB	-	☑	-	-
	1,3,5-TMB	-	☑	-	-

Sample	Parameter	MDNRE Criteria Exceeded			
MW-D	MTBE	☑	-	-	-

Notes:
DW – Drinking Water
GSI – Groundwater Surface Water Interface Criteria
GVIAI – Groundwater Volatilization to Indoor Air Inhalation Criteria
GC – Groundwater Contact Criteria

- Groundwater sample analytical results indicate that contaminant concentrations of cadmium and lead were not detected above laboratory method detection limits.
- Contaminant concentrations of chromium were detected above laboratory method detection limits and below MDNRE GRCC in select groundwater samples collected at the subject property.
- PNAs were not detected in groundwater samples above laboratory method detection limits.
- Contaminant concentrations of benzene, ethylbenzene, MTBE, and n-propylbenzene were detected in select groundwater samples above MDNRE DW GRCC.
- Contaminant concentrations of benzene, ethylbenzene, MTBE, naphthalene, 1,2,4-TMB, 1,3,5-TMB, and xylenes were detected select groundwater samples above MDNRE GSI GRCC.

Refer to Figure 4 for a site map with groundwater analytical results exceeding MDNRE GRCC. Refer to Table 2 for a summary of groundwater analytical results. Refer to Appendix D for a complete analytical laboratory report.

4.3.3 Soil Analytical Results –Test Pit/UST Evaluation

AKT Peerless submitted 8 soil samples (four from each test pit) for laboratory analysis of VOCs, PNAs, and PCBs, The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

Soil Sample Location & Depth	Parameter	MDNRE Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSIC	PSI	DC
TP-1 SS-1 4’	Benzene	☑	-	-	-	-	-	-
	Ethylbenzene	☑	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
	1,2,4-TMB	☑	☑	-	-	-	-	-
	1,3,5-TMB	☑	☑	-	-	-	-	-
	Xylenes	☑	☑	-	-	-	-	-

Soil Sample Location & Depth	Parameter	MDNRE Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSIC	PSI	DC
TP-1 SS-3 4'	n-Butylbenzene	☑	-	-	-	-	-	-
	sec-Butylbenzene	☑	-	-	-	-	-	-
	Ethylbenzene	-	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
	1,2,4-TMB	☑	☑	-	-	-	-	-
TP-1 SS-4 4'	n-Butylbenzene	☑	-	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
	n-Propylbenzene	☑	-	-	-	-	-	-
	1,2,4-TMB	-	☑	-	-	-	-	-
	Xylenes	-	☑	-	-	-	-	-

Notes:
DWP – Drinking Water Protection Criteria
GSIP – Groundwater Surface Water Interface Protection Criteria
GCP – Groundwater Contact Protection Criteria
SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria
VSIC – Volatile Soil Inhalation Criteria
PSI – Particulate Soil Inhalation Criteria
DC – Direct Contact Criteria

Refer to Figure 5 for a site map with test pit locations and soil analytical results exceeding MDNRE GRCC. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix D for a complete analytical laboratory report.

4.3.4 Quality Assurance/Quality Control Analytical Results

QA/QC samples were collected in accordance with AKT Peerless' *"Quality Assurance Project Plan (QAPP), Brownfield Assessment Program, Hazardous Substances and Petroleum Site Assessment Grant, Downriver Community Conference Brownfield Consortium"*, dated August 2009, revision 1. Based on a review of the analytical results of the QA/QC samples collected during the Phase II ESA, AKT Peerless did not identify conditions that would indicate errors arising from field sampling activities or laboratory procedures. Refer to Appendix D for a complete copy of the laboratory analytical report.

5.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

5.1 SUMMARY OF ENVIRONMENTAL CONCERNS

On July 9, 2010, AKT Peerless completed a Phase I ESA of the subject property. AKT Peerless' Phase I ESA identified the following RECs in association with the subject property:

- **REC#1**: Hazardous substance use associated with former automotive service operations at the subject property.

- **REC#2**: Historical utilization of fuel oil, kerosene, and gasoline UST systems at the subject property.
- **REC#3:** Potential abandoned USTs at the subject property.
- **REC#4:** Previously identified soil and groundwater contamination stemming from regulated UST systems at the subject property.
- **REC#5:** The eastern adjoining property has operated as a dry cleaner since the early 1060s.

5.2 SUMMARY OF SUBSURFACE INVESTIGATION

On July 21, 2010 and July 23, 2010, AKT Peerless conducted a subsurface investigation at the subject property to further evaluate environmental concerns identified during previous environmental investigations. AKT Peerless' scope of work included the (1) completion of a geophysical survey, (2) the advancement of 8 soil borings, (3) the installation of 3 temporary groundwater monitoring wells, and (4) the collection of 8 soil samples and 12 groundwater samples for laboratory analyses. AKT Peerless submitted soil and groundwater samples for laboratory analyses of select parameters, including: VOCs, PNAs, Cd, Cr, Pb, PCBs, leaded gasoline indicator parameters, and/or MTBE.

In addition, on September 2, 2010, AKT Peerless conducted oversight of the advancement of two test pits (Test Pit 1 and 2) at the subject property to further evaluate the anomalies identified during the geophysical survey conducted during this Phase II site investigation. During test pitting activities, two 550-gallon USTs were identified (one at each test pit location) and were found to have been closed in place and filled with an inert material (i.e. concrete and/or sand). Soil samples were collected from beneath each UST for laboratory analyses. AKT Peerless submitted the soil samples for laboratory analysis of VOCs, PNAs, and PCBs.

5.3 CONCLUSIONS

AKT Peerless conducted soil and groundwater sampling in areas most likely to be impacted by contaminants based on the past use of the subject property. The results of the investigation indicate the following:

- GII conducted a geophysical survey using GPR over a portion of the subject property. The purpose of the geophysical survey was to detect if USTs were present at the site. The survey identified four anomalies. One anomaly represents the known UST located in the western portion of the subject property. Two of the anomalies may represent abandoned USTs located in the northern and southwestern portions of the subject property and lastly, one anomaly represents a former UST cavity (located to the south of the subject building).
- Contaminant concentrations of benzene, n-butylbenzene, ethylbenzene, and n-propylbenzene, were detected in soil sample locations above MDNRE DWP GRCC.
- Contaminant concentrations of ethylbenzene, naphthalene, 1,2,4-trimethylbenzene (1,2,4-TMB), and xylenes were detected in select soil sample locations above MDNRE GSIP GRCC.
- Contaminant concentrations of benzene were detected in the B-6 (4-6) soil sample location above MDNRE SVIAI GRCC.

- Contaminant concentrations of benzene, ethylbenzene, MTBE, and n-propylbenzene were detected in select groundwater samples above MDNRE DW GRCC.
- Contaminant concentrations of benzene, ethylbenzene, MTBE, naphthalene, 1,2,4-TMB, 1,3,5-TMB, and xylenes were detected select groundwater samples above MDNRE GSI GRCC.
- Two test pits were advanced at the property and two 550-gallon USTs were identified (one in each test pit). Both USTs were determined to have been closed in place and filled with an inert material (ie concrete and/or sand). Soil samples were collected from each test pit location and submitted for laboratory analysis. Analytical results of the soil samples indicated various constituents above MDNRE DWP and GSI GRCC.

Based on laboratory analytical results, the subject property meets the definition of a *facility*, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

5.4 RECOMMENDATIONS

AKT Peerless recommends any future owner(s)/operator(s) prepare a Baseline Environmental Assessment (BEA) report. Section 26(1)(c) of Part 201 provides certain liability protections to a person who becomes an owner or operator of a *facility* on, or after June 5, 1995 if they comply with both of the following, or unless other defenses apply: a BEA is conducted prior to or within 45 days after the earlier of the date of purchase, occupancy, or foreclosure, and the owner or operator discloses the results of the BEA to the MDNRE and subsequent purchaser or transferee.

In addition, because the subject property meets the definition of a *facility*, AKT Peerless recommends conducting a Section 20107(a) Compliance Analysis to assure compliance with Due Care obligations. Due Care obligations include:

- Undertaking measures to prevent exacerbation of existing contamination.
- Exercising due care by undertaking response activities to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the subject property in a manner that the protects health and safety.
- Taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party and the consequences that could result from those acts or omissions.
- Provide notifications to the MDNRE and others in regard to mitigating fire and explosions hazards, discarded or abandoned containers, contamination migrating beyond property boundaries, as applicable.

6.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of DCCBC and Washtenaw County Treasurer. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and

opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and DCCBC.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by DCCBC and Washtenaw County Treasurer, or third parties is complete or accurate.

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this investigation.

Jessica T. Cory

Jessica T. Cory
Project Manager
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES
Farmington, Michigan Office

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Megan Napier

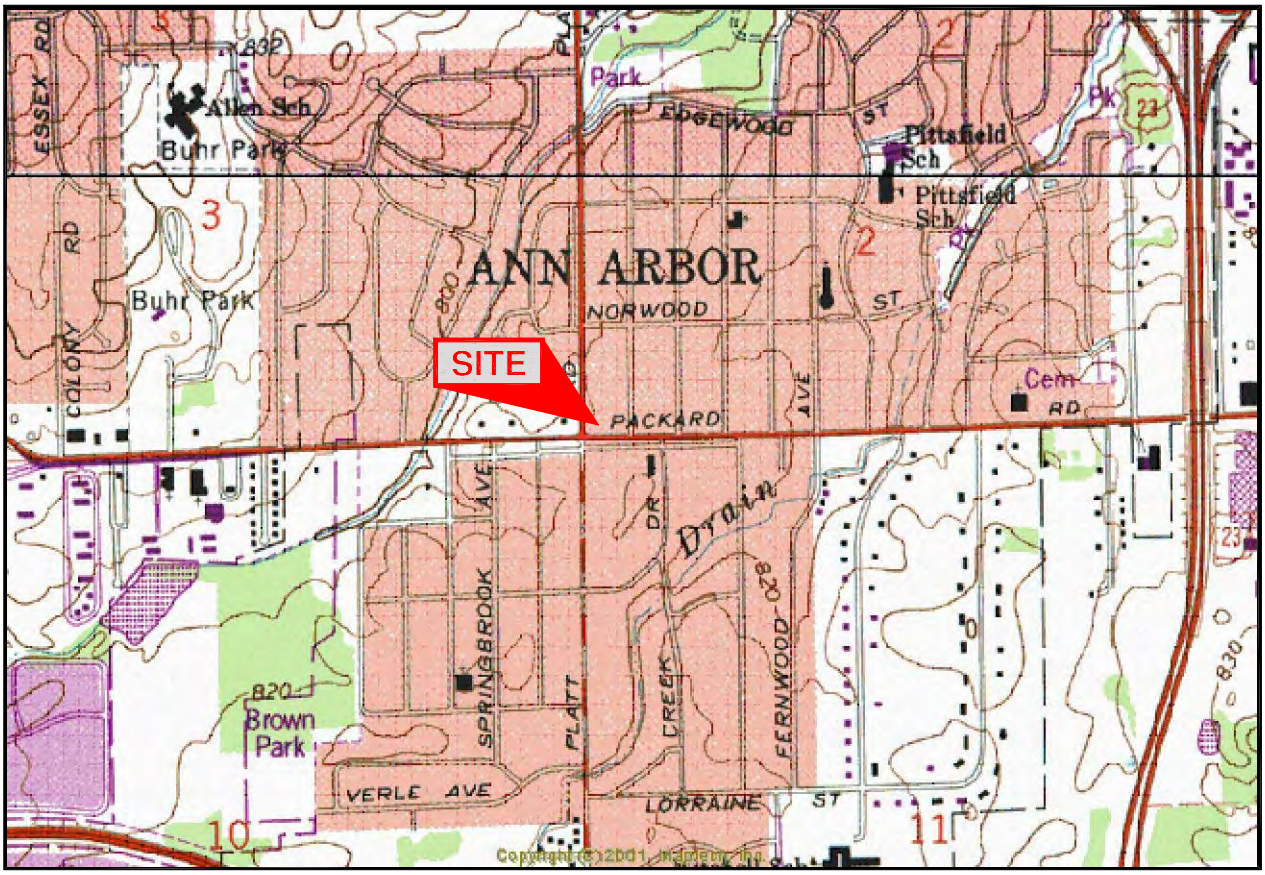
Megan Napier, PE, LEED-AP
Director of SE Michigan Operations
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES
Farmington, Michigan Office

FIGURES

YPSILANTI WEST QUADRANGLE

MICHIGAN - WASHTENAW COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)



T.3 S. - R.6 W.

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

MICHIGAN
QUADRANGLE LOCATION

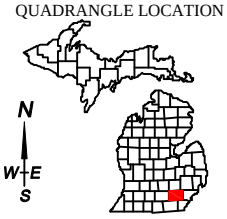


IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1983

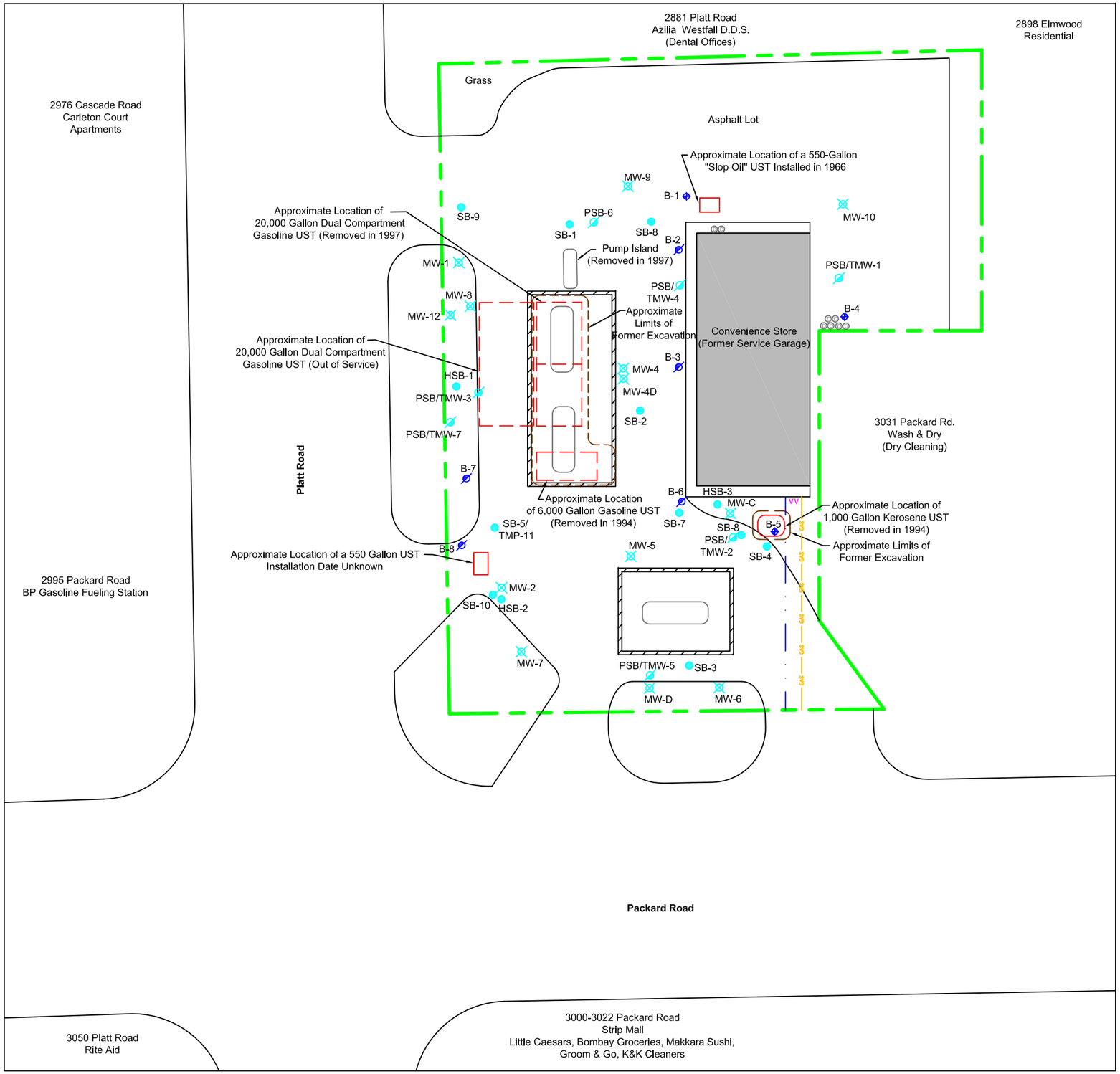
AKTPEERLESS
environmental & energy services
CHICAGO DETROIT FARMINGTON LANSING SAGINAW
www.aktpeerless.com

TOPOGRAPHIC LOCATION MAP

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN
PROJECT NUMBER : 6588F-2-20

DRAWN BY: K Edmond
DATE: 8/3/2010

FIGURE 1



N
W E
S

LEGEND

= PROPERTY LINE
= GAS LINE
= WATER LINE
= OUT OF SERVICE PUMP ISLAND
= VENT PIPE
= DRUM IMPRINTS
= MONITOR WELL (ENVIROLOGIC & FLUOR DANIEL GTI)
= SOIL BORING (ENVIROLOGIC)
= SOIL BORING/TEMPORARY MONITOR WELL (PM)
= SOIL BORING (AKT PEERLESS)
= TEMPORARY MONITOR WELL (AKT PEERLESS)

DRAWN BY: JWB
DATE: 9/10/10

SCALE: 1" = 30'±

FIGURE 2

SITE MAP WITH BORING LOCATION AND MONITOR WELL LOCATIONS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN
PROJECT NUMBER : 6588F-4-20

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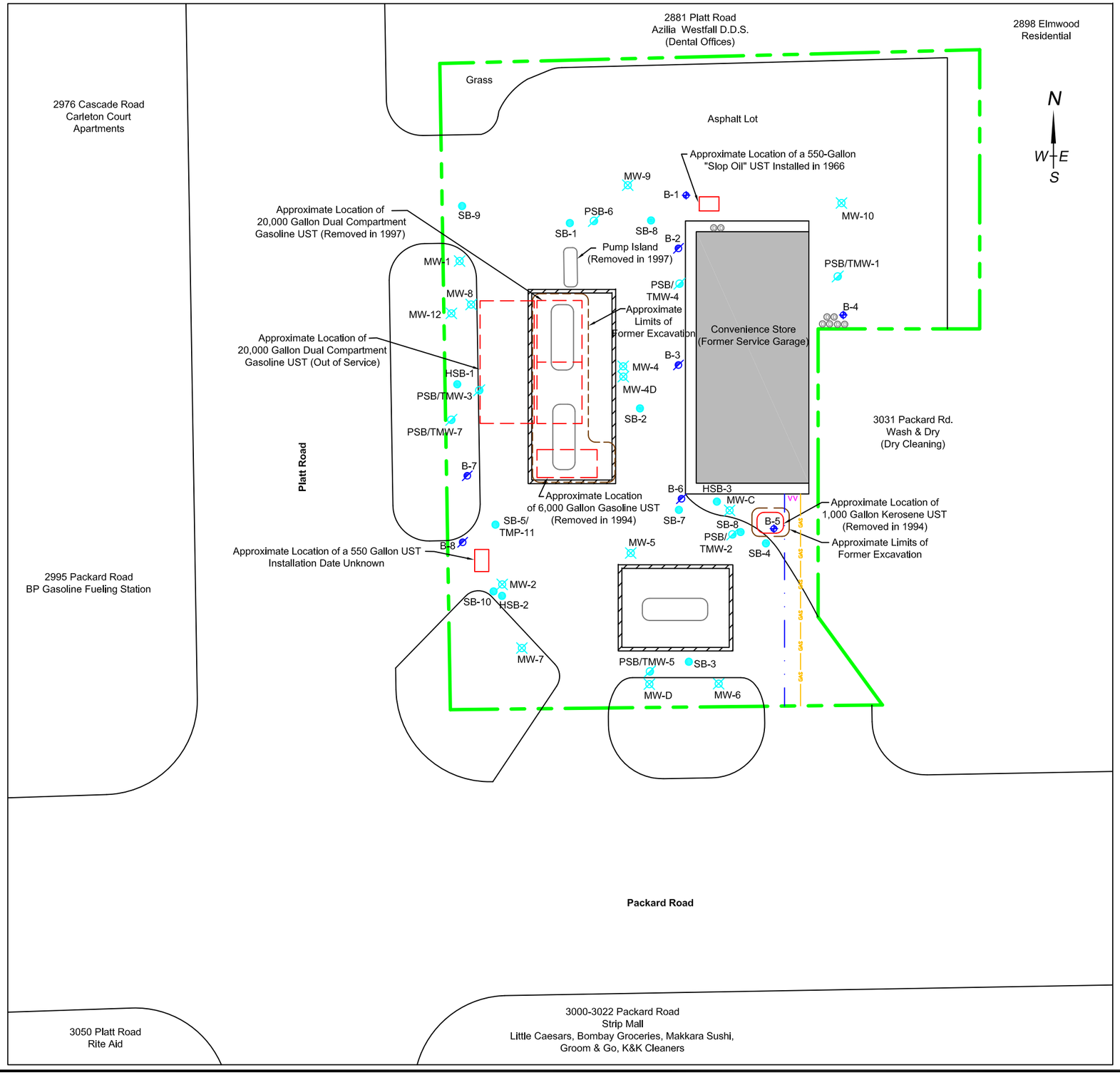


B-1 (1-3')	
7/23/2010	
Xylenes	740 ug/Kg

B-5 (7.5-8')	
7/23/2010	
n-Butylbenzene	2,600 ug/Kg
Naphthalene	2,000 ug/Kg
n-Propylbenzene	2,600 ug/Kg

B-5 (7.5-8')	
7/23/2010	
Soil Duplicate	
n-Butylbenzene	4,480 ug/Kg
Ethylbenzene	1,050 ug/Kg
Naphthalene	4,200 ug/Kg
n-Propylbenzene	6,400 ug/Kg
1,2,4 -Trimethylbenzene	1,900 ug/Kg

B-6 (4-6')	
7/23/2010	
Benzene	1,900 ug/Kg
Ethylbenzene	16,500 ug/Kg
Naphthalene	11,000 ug/Kg
n-Propylbenzene	6,300 ug/Kg
Xylenes	1,400 ug/Kg

B-7 (3-4')	
7/23/2010	
Benzene	300 ug/Kg
Ethylbenzene	9,600 ug/Kg
Naphthalene	6,000 ug/Kg
n-Propylbenzene	10,700 ug/Kg

LEGEND

- = PROPERTY LINE
- = GAS LINE
- = WATER LINE
- = OUT OF SERVICE PUMP ISLAND
- = VENT PIPE
- = DRUM IMPRINTS
- = MONITOR WELL (ENVIROLOGIC & FLUOR DANIEL GTI)
- = SOIL BORING (ENVIROLOGIC)
- = SOIL BORING/TEMPORARY MONITOR WELL (PM)
- = SOIL BORING (AKT PEERLESS)
- = TEMPORARY MONITOR WELL (AKT PEERLESS)

DRAWN BY: JWB
DATE: 9/10/10

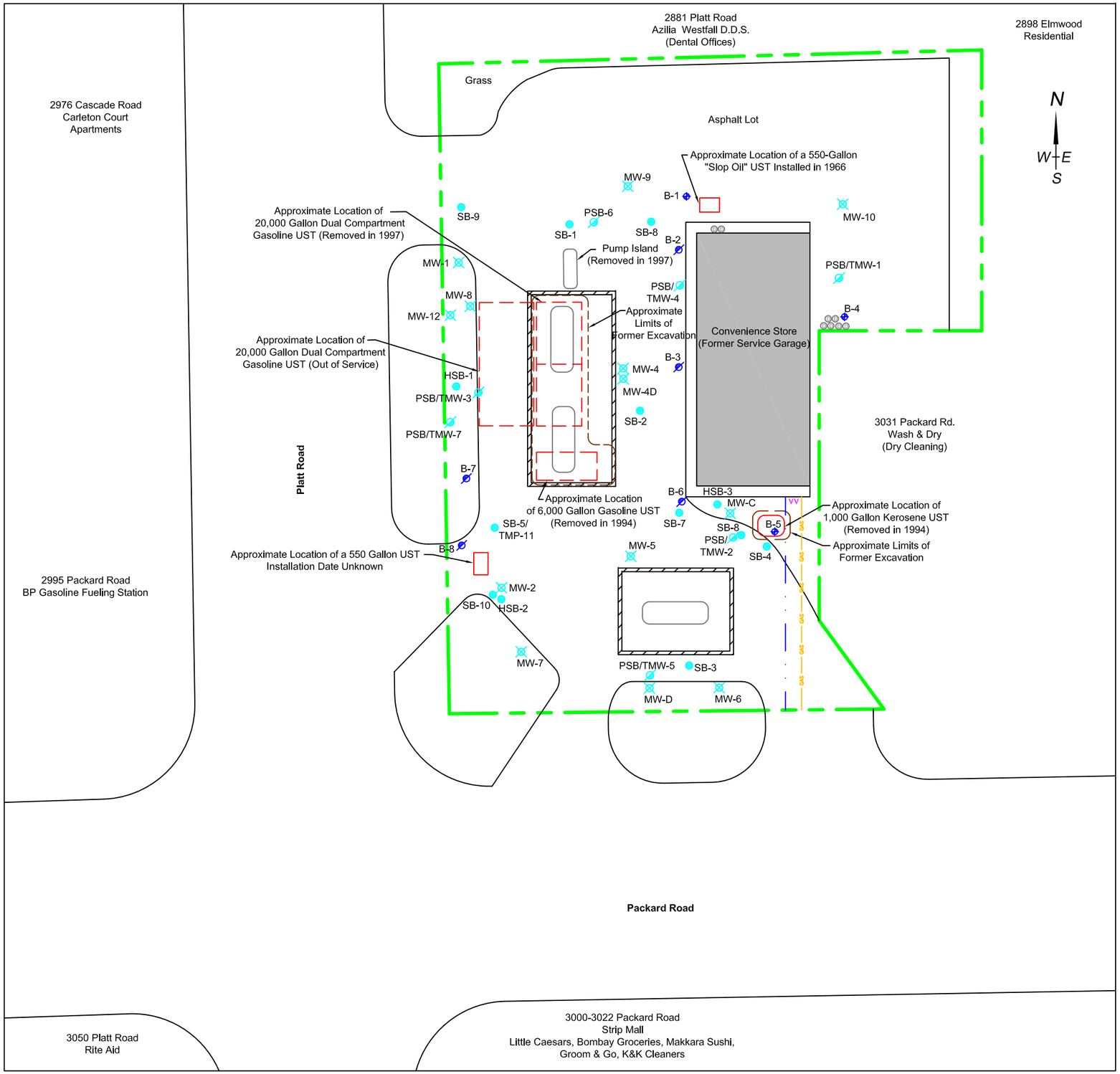
SCALE: 1" = 30'±0 (0, 15, 30)

FIGURE 3

SITE MAP WITH SOIL ANALYTICAL RESULTS ABOVE MDNRE GRCC

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN
PROJECT NUMBER : 6588F-4-20

AKTPEERLESS
environmental & energy services



MW-2	
7/23/2010	
MTBE	420 ug/L

MW-4	
7/23/2010	
MTBE	58 ug/L

MW-5	
7/23/2010	
MTBE	970 ug/L

MW-7	
7/23/2010	
Benzene	3,110 ug/L
Ethylbenzene	340 ug/L
MTBE	100 ug/L
Naphthalene	100 ug/L
Xylenes	70 ug/L

MW-7	
7/23/2010	
Duplicate #1	
Benzene	2,790 ug/L
Ethylbenzene	300 ug/L
MTBE	100 ug/L
Naphthalene	100 ug/L
Xylenes	70 ug/L

MW-8	
7/23/2010	
Benzene	60 ug/L
Ethylbenzene	180 ug/L
Naphthalene	110 ug/L
n-Propylbenzene	270 ug/L
1,2,4-Trimethylbenzene	40 ug/L
1,3,5-Trimethylbenzene	50 ug/L

MW-D	
7/23/2010	
MTBE	47 ug/L

LEGEND

- = PROPERTY LINE
- = GAS LINE
- = WATER LINE
- = OUT OF SERVICE PUMP ISLAND
- = VENT PIPE
- = DRUM IMPRINTS
- = MONITOR WELL (ENVIROLOGIC & FLUOR DANIEL GTI)
- = SOIL BORING (ENVIROLOGIC)
- = SOIL BORING/TEMPORARY MONITOR WELL (PM)
- = SOIL BORING (AKT PEERLESS)
- = TEMPORARY MONITOR WELL (AKT PEERLESS)

DRAWN BY: JWB
DATE: 9/10/2010

SCALE: 1" = 30'

FIGURE 4

SITE MAP WITH GROUNDWATER ANALYTICAL RESULTS ABOVE MDNRE GRCC

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN
PROJECT NUMBER : 6588F-4-20

AKTPEERLESS
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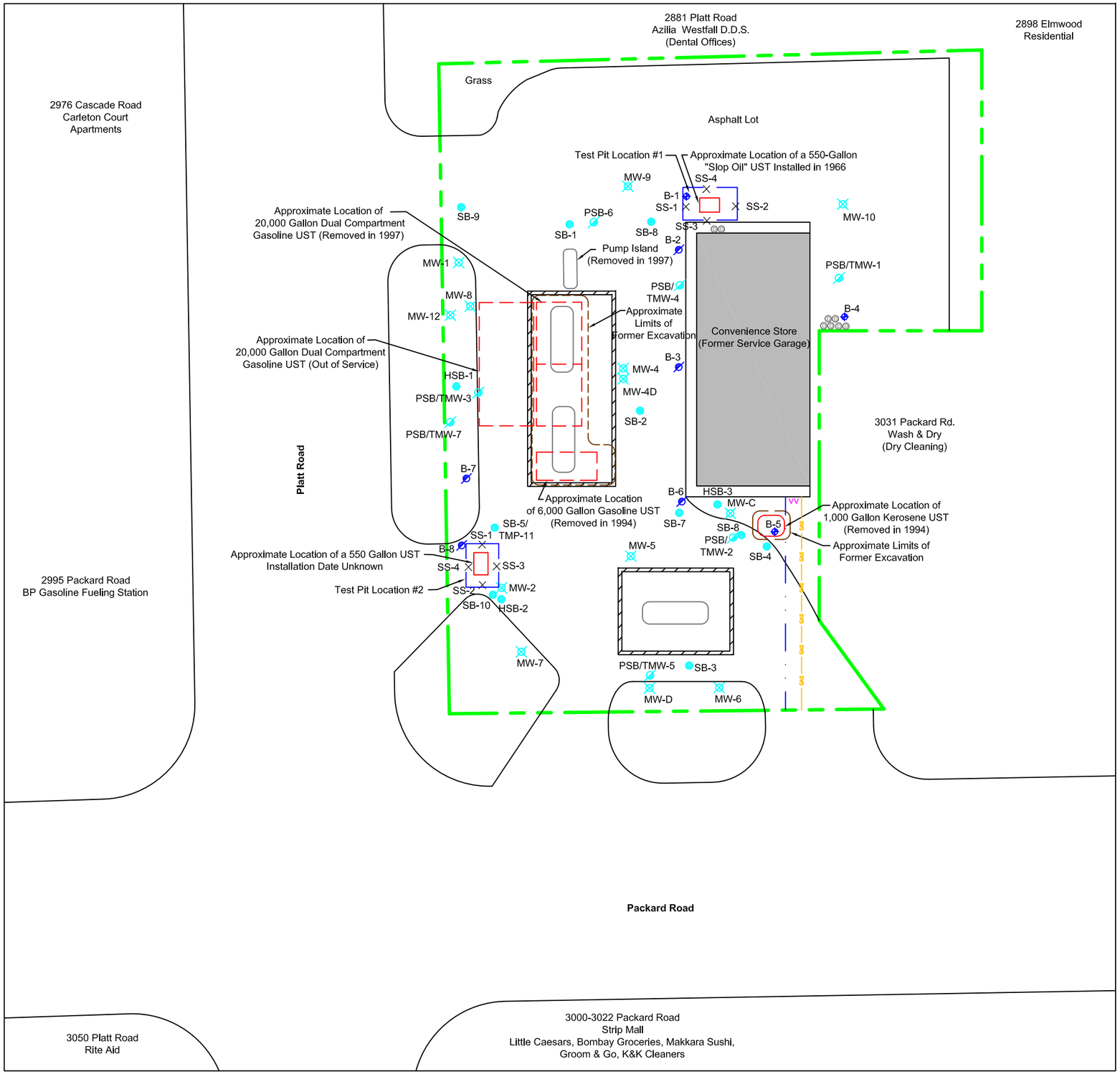

TP-1 SS-1 4'	
9/2/2010	
Benzene	1,180 ug/kg
Ethylbenzene	2,510 ug/kg
Naphthalene	2,700 ug/kg
n-Propylbenzene	1,700 ug/kg
1,2,4 Trimethylbenzene	7,200 ug/kg
1,3,5 Trimethylbenzene	2,600 ug/kg
Xylenes	13,430 ug/kg

TP-1 SS-3 4'	
9/2/2010	
n-Butylbenzene	5,200 ug/kg
sec-Butylbenzene	1,800 ug/kg
Ethylbenzene	1,100 ug/kg
Naphthalene	8,000 ug/kg
n-Propylbenzene	4,000 ug/kg
1,2,4 Trimethylbenzene	6,000 ug/kg

TP-1 SS-4 4'	
9/2/2010	
n-Butylbenzene	1,600 ug/kg
Naphthalene	3,000 ug/kg
n-Propylbenzene	1,700 ug/kg
1,2,4 Trimethylbenzene	800 ug/kg
Xylenes	1,400 ug/kg

N
W E
S

LEGEND

- = PROPERTY LINE
- = GAS LINE
- = WATER LINE
- = OUT OF SERVICE PUMP ISLAND
- = VENT PIPE
- = DRUM IMPRINTS
- = MONITOR WELL (ENVIROLOGIC & FLUOR DANIEL GTI)
- = SOIL BORING (ENVIROLOGIC)
- = SOIL BORING/TEMPORARY MONITOR WELL (PM)
- = SOIL BORING (AKT PEERLESS)
- = TEMPORARY MONITOR WELL (AKT PEERLESS)
- = SOIL SAMPLE LOCATION (AKT PEERLESS)

DRAWN BY: JWB
DATE: 9/10/10

SCALE: 1" = 30'±
0 15 30

FIGURE 5

SITE MAP WITH TEST PIT LOCATIONS AND SOIL RESULTS
EXCEEDING MDNRE GRCC

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN
PROJECT NUMBER : 6588F4-20

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TABLES

AKTPEERLESS environmental & energy services

Table 1: Summary of Soil Analytical Results
3005 Packard Road
Ann Arbor, Michigan

Guidesheet Number →		#10	#11	#12	#13	#14	#15	#18	#19													
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential and Commercial I Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential and Commercial I Groundwater Contact Protection Criteria and RBSLs**	**Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential and Commercial I Particulate Soil Inhalation Criteria and RBSLs**	**Residential and Commercial I Direct Contact Criteria and RBSLs**	Sample Location	B-1	B-2	B-3	B-4	B-5	Soil Duplicate (B-5)	B-6	B-7	B-8	TP-1 SS-1	TP-1 SS-2	TP-1 SS-3
**(Refer to detailed laboratory report for method reference data)*										Collection Date	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	09/02/2010	09/02/2010	09/02/2010
										Depth	(1-3)	(2-4)	(2-4)	(1-3)	(7.5-8)	(7.5-8)	(4-6)	(3-4)	(4-6)	4'	4'	4'
Metals		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		460	510	220	680	320	220	NS	NS	240	NA	NA	NA
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	1.4E+8	NLV	NLV	2.6E+5	2.5E+6		4,590*	7,420*	5,420*	6,780*	8,980*	6,500*	NS	NS	5,660*	NA	NA	NA
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		46,300	14,300	11,400	81,400	6,810	10,000	9,050	7,370	14,600	NA	NA	NA
PCBs																						
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		BDL	BDL	NS	NS	NS	NS	NS	NS	BDL	BDL	BDL	BDL
Semivolatiles, PNAs																						
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		300	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		300	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		300	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		400	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		700	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		500	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		800	<300	<300	<300	<300	<300	NS	NS	<300	<300	<300	<300
Other PNAs	-	-	-	-	-	-	-	-	-		BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	BDL	BDL	BDL
Volatiles																						
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	2.2E+5	**1,600**	13,000	3.8E+8	1.8E+5		70	<70	<70	<80	<300	<70	**1,900**	**300**	<70	**1,180**	<60	<600
n-Butylbenzene	104-51-8	NA	**1,600**	ID	1.2E+5	ID	ID	ID	2.5E+6		310	<70	<70	<80	**2,600**	**4,480**	NS	NS	90	1,480	<60	**5,200**
sec-Butylbenzene	135-98-8	NA	**1,600**	ID	88,000	ID	ID	ID	2.5E+6		210	<70	<70	<80	900	1,510	NS	NS	<70	380	<60	**1,800**
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		310	<70	<70	<80	<300	**1,050**	**16,500**	**9,600**	90	**2,510**	<60	**1,100**
Isopropyl benzene	98-82-8	NA	91,000	ID	3.9E+5 (C)	3.9E+5 (C)	1.7E+6	5.8E+9	3.9E+5 (C)		<300	<400	<300	<400	<2,000	1,700	2,000	2,000	<300	400	<300	<3,000
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5,500,000	ID	ID	ID	81,000,000		<400	<500	<500	<600	4,000	3,200	16,300	9,100	<400	4,900	<400	8,000
Naphthalene	91-20-3	NA	35,000	**870**	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		<400	<500	<500	<600	**2,000**	**4,200**	**11,000**	**6,000**	<400	**2,700**	<400	**8,000**
n-Propylbenzene (I)	103-65-1	NA	**1,600**	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		600	<100	<100	<200	**2,600**	**6,400**	**6,300**	**10,700**	200	**1,700**	<100	**4,000**
1,2,3-Trimethylbenzene	526-73-8	NA	-	-	-	-	-	-	-		200	<100	<100	<200	<600	1,000	6,900	5,000	200	2,300	<100	<1,000
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		500	<100	<100	<200	<600	**1,900**	300	<300	<100	**7,200**	<100	**6,000**
1,3,5-Trimethylbenzene (I)	108-67-8	NA	**1,800**	**1,100**	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		<100	<100	<100	<200	<600	400	800	<300	<100	**2,600**	<100	<1,000
Xylenes (I)	1330-20-7	NA	**5,600**	**700**	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		**740**	<170	<170	<280	<900	400	**1,400**	<800	<170	**13,430**	280	<1600
Other VOCs	-	-	-	-	-	-	-	-	-		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

AKTPEERLESS environmental & energy services

Table 1: Summary of Soil Analytical Results
3005 Packard Road
Ann Arbor, Michigan

Guidesheet Number →		#10	#11	#12	#13	#14	#15	#18	#19						
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential and Commercial I Drinking Water Protection Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential and Commercial I Groundwater Contact Protection Criteria and RBSLs**	**Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Residential and Commercial I Particulate Soil Inhalation Criteria and RBSLs**	**Residential and Commercial I Direct Contact Criteria and RBSLs**	Sample Location	TP-1 SS-4	TP-2 SS-1	TP-2 SS-2	TP-2 SS-3	TP-2 SS-4
										Collection Date	09/02/2010	09/02/2010	09/02/2010	09/02/2010	09/02/2010
**(Refer to detailed laboratory report for method reference data)*										Depth	4'	3'	3'	3'	3'
Metals		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	1.4E+8	NLV	NLV	2.6E+5	2.5E+6		NA	NA	NA	NA	NA
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		NA	NA	NA	NA	NA
PCBs															
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		BDL	BDL	BDL	BDL	BDL
Semivolatiles, PNAs															
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<300	<300	1,100	<300	<300
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		<300	<300	900	<300	<300
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		<300	<300	800	<300	<300
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		<300	<300	900	<300	<300
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		<300	<300	1,500	<300	<300
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		<300	<300	700	<300	<300
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		<300	<300	1,700	<300	<300
Other PNAs	-	-	-	-	-	-	-	-	-		BDL	BDL	BDL	<300	<300
Volatiles															
Benzene (I)	71-43-2	NA	**100**	4,000 (X)	2.2E+5	**1,600**	13,000	3.8E+8	1.8E+5		<300	<60	70	<70	<60
n-Butylbenzene	104-51-8	NA	**1,600**	ID	1.2E+5	ID	ID	ID	2.5E+6		**1,600**	<100	<700	<70	<60
sec-Butylbenzene	135-98-8	NA	**1,600**	ID	88,000	ID	ID	ID	2.5E+6		700	<60	<60	<70	<60
Ethylbenzene (I)	100-41-4	NA	**1,500**	**360**	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		<300	160	360	<70	<60
Isopropyl benzene	98-82-8	NA	91,000	ID	3.9E+5 (C)	3.9E+5 (C)	1.7E+6	5.8E+9	3.9E+5 (C)		<2,000	<300	<300	<400	<300
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5,500,000	ID	ID	ID	81,000,000		<2,000	<400	<400	<500	<400
Naphthalene	91-20-3	NA	35,000	**870**	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		**3,000**	<400	<400	<500	<400
n-Propylbenzene (I)	103-65-1	NA	**1,600**	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		**1,700**	<100	<100	<100	<100
1,2,3-Trimethylbenzene	526-73-8	NA	-	-	-	-	-	-	-		<700	300	200	<100	<100
1,2,4-Trimethylbenzene (I)	95-63-6	NA	**2,100**	**570**	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		**800**	<100	100	<100	<100
1,3,5-Trimethylbenzene (I)	108-67-8	NA	**1,800**	**1,100**	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		<700	<100	200	<100	<100
Xylenes (I)	1330-20-7	NA	**5,600**	**700**	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		**1,400**	<160	400	<170	100
Other VOCs	-	-	-	-	-	-	-	-	-		BDL	BDL	BDL	BDL	BDL

AKTPEERLESS environmental & energy services

Table 2 - Summary of Groundwater Analytical Results
3005 Packard Road
Ann Arbor, Michigan

Guidesheet Number →		#1	#3	#4	#6															
Parameters*	**Chemical Abstract Service Number**	**Residential and Commercial I Drinking Water Criteria and RBSLs**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Residential and Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Groundwater Contact Criteria and RBSLs**	Sample Location	B-1W	B-4W	B-5W	Duplicate #2 (B-5)	MW-2	MW-4	MW-4D	MW-5	MW-7	Duplicate #1 (MW-7)	MW-8	MW-9	MW-10	MW-D
						Collection Date	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010	07/23/2010
(Refer to detailed laboratory report for method reference data)						Screened Depth	(3-8)	(11-16)	(3-8)	(3-8)	-	-	-	-	-	-	-	-	-	-
Metals		µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Cadmium (B)	7440-43-9	5.0 (A)	(G,X)	NLV	1.9E+5		<0.5	NS	<0.5	<0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, Total	7440-47-3	100 (A)	11	NLV	4.6E+5		7	NS	10	11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead (B)	7439-92-1	4.0 (L)	(G,X)	NLV	ID		<3	NS	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Semivolatiles, PNAs																				
PNAs	-	-	-	-	-		BDL	NS	BDL	BDL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Volatiles																				
Benzene (I)	71-43-2	**5.0 (A)**	**200 (X)**	5,600	11,000		<1	<1	1	1	5	<1	<1	<10	**3,110**	**2,790**	**60**	<1	<1	<1
n-Butylbenzene	104-51-8	80	ID	ID	5,900		1	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	80	ID	ID	4,400		4	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethylene	156-59-2	70 (A)	620	93,000	2.0E+5		<1	<1	2	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene (I)	100-41-4	**74 (E)**	**18**	1.1E+5	1.7E+5 (S)		<1	<1	1	1	<5	<1	<1	<10	**340**	**300**	**180**	<1	<1	<1
Isopropyl benzene	98-82-8	800	ID	56,000 (S)	56,000 (S)		7	<5	<5	<5	<30	<5	<5	<50	<100	<100	<50	<5	<5	<5
2-Methylnaphthalene	91-57-6	260	ID	ID	25,000 (S)		<5	<5	<5	<5	<10	<2	<2	<20	<40	<40	70	<2	<2	<2
Methyl-tert-butyl ether (MTBE)	1634-04-4	**40 (E)**	**730 (X)**	4.7E+7 (S)	6.1E+5		<5	<5	<5	<5	**420**	**58**	12	**970**	**100**	**100**	<120	<5	<5	**47**
Naphthalene	91-20-3	520	**13**	31,000 (S)	31,000 (S)		<5	<5	<5	<5	<30	<5	<5	<50	**100**	**100**	**110**	<5	<5	<5
n-Propylbenzene (I)	103-65-1	**80**	ID	ID	15,000		14	<1	<1	<1	<5	<1	<1	<10	30	20	**270**	<1	<1	<1
Toluene (I)	108-88-3	790 (E)	140	5.3E+5 (S)	5.3E+5 (S)		<1	<1	<1	<1	<5	<1	<1	<10	20	20	<10	<1	<1	<1
1,2,3-Trimethylbenzene	526-73-8	-	-	-	-		<1	<1	<1	<1	<5	<1	<1	<10	20	<20	110	<1	<1	<1
1,2,4-Trimethylbenzene (I)	95-63-6	63 (E)	**17**	56,000 (S)	56,000 (S)		<1	<1	<1	<1	<5	<1	<1	<10	<20	<20	**40**	<1	<1	<1
1,3,5-Trimethylbenzene (I)	108-67-8	72 (E)	**45**	61,000 (S)	61,000 (S)		<1	<1	<1	<1	<5	<1	<1	<10	<20	<20	**50**	<1	<1	<1
Xylenes (I)	1330-20-7	280 (E)	**35**	1.9E+5 (S)	1.9E+5 (S)		<3	<3	<3	<3	<10	<2	<2	<20	**70**	**70**	20	<2	<2	<2
Other VOCs	-	-	-	-	-		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

FOOTNOTES

FOR THE PART 201 CRITERIA/PART 213 RISK-BASED SCREENING LEVELS
RRD OPERATIONAL MEMORANDUM No. 1

(A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.

(B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}. Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

(I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(K) Hazardous substance may be flammable or explosive, or both.

(L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 ug/kg.

(O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.

(P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.

(Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

(R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West allegan Street, lansing, michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the superintendent of documents, government printing office, washington, dc 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.

(S) Criterion defaults to the hazardous substance-specific water solubility limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart d and subpart g of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules and are available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulations may be purchased, at a cost as of the time of adoption of these rules of $55, from the superintendent of documents, Government Printing Office, Washington, dc 20401, or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost. Alternatives to compliance with the tsca standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, dc 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.

(V) Criterion is the aesthetic drinking water value as required by Section 20120(a)(5) of the NREPA. concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the NREPA.

(W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Y) Source size modifiers shown in the following table shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

(AA) Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

(BB) The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy.

(CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH3); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the following table, taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975).

(DD) Hazardous substance causes developmental effects. Residential and commercial I direct contact criteria are protective of both prenatal and postnatal exposure. Industrial and commercial II, III and IV direct contact criteria are protective for a pregnant adult receptor.

(EE) The following are applicable generic GSI criteria as required by Section 20120a(15) of the NREPA.

(FF) The chloride GSI criterion shall be 125 mg/l when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/l when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.

(GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and commercial/industrial land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3.

ID Insufficient data to develop criterion.

NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.

NLL Hazardous substance is not likely to leach under most soil conditions.

NLV Hazardous substance is not likely to volatilize under most conditions.

ug/Kg Micrograms per kilogram

ug/L Micorgrams per liter

NS Not sampled

BDL Below Laboratory Method Detection Limits

* Statewide default soil Background levels are relevant for all land uses and are substituted for the cleanup Criterion for a Hazardous Substance whenever the applicable risk-based criterion is lower than the statewide background level for that particular Hazardous Substance (R 299.5706a(5)(b), R 299.5707).

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Appendix A

Geophysical Survey Report

Geophysical Imaging, Inc.
3765 Timber Valley Dr
Maumee, OH 435378
Phone/fax: (419) 868-2902

July 22, 2010 GII Project No. 10-501

Ms. Jessica Cory
Project Manager
AKT Peerless Environmental Services
22725 Orchard Lake Road
Farmington, Michigan 48336

Geophysical Survey Report
3005 Packard Road
Ann Arbor, Michigan

Dear Ms. Cory:

This letter report summarizes the results and interpretations of the geophysical survey performed for AKT Peerless Environmental Services (AKT) by Geophysical Imaging, Inc. (GII) at the above-referenced site. The purpose of the survey was to detect if abandoned underground storage tanks (USTs) are present at the site.

Project Background

According to AKT, the site was a former filling station. The status of USTs is unknown.

Field Activities and Data Processing

On July 21, 2010, a combined electromagnetic induction (EM) and ground-penetrating radar (GPR) survey was conducted by GII at the site in the accessible area designated by AKT. Figure 1 depicts the approximate area surveyed and the general site features. The EM survey was performed in "continuous survey" mode along 2.5-foot spaced transects. GII used a GSSI EMP-400 multi-frequency EM profiler with integrated GPS. Two EM exploration frequencies (9,000 Hz and 12,000 Hz) were selected for the site. Prior to the EM survey, field, operator, and zero in-phase calibration was performed at the site. In "continuous survey" mode, data are acquired at a fixed time interval while the operator walks along a survey line at a steady pace. Both in-phase (metal sensitive) and quadrature (terrain conductivity) measurements were acquired during the EM survey. These measurements were automatically stored in a wireless data logger, and later downloaded to a computer for subsequent processing. Two software packages were utilized to define suspect areas, MagMap (supplied by E.G. & G. Geometrics) and

SURFER (developed by Golden Software). Selected EM measurement contour maps are presented on Figures 2 and 3.

The GPR survey was performed along 5-foot spaced profiles. GII used a GSSI SIR-3000 GPR system with a 400-megahertz (MHz) dipole antenna mounted on a wheeled cart to scan the survey area. Several test scans were completed to observe the overall GPR responses to setup survey parameters prior to the GPR survey. A survey wheel was used to acquire distance-based data at the density of 18 scans per foot. Anomalous reflective objects/structures were noted and marked on the ground surface during the data acquisition. Additional linescans were performed to better understand anomalous targets. The GPR data were automatically stored in a data logger, and later downloaded to a computer for subsequent processing. The data processing consisted of Time-Zero Adjustment (time zero of the vertical scale aligned with the surface reflection) and Background Removal (horizontal banding) to the GPR scans. Targeted GPR linescans are presented on Figure 4.

Results and Interpretations

The EM survey identified a strong EM in-phase ('metal') anomaly located at the western central portion of the site. Three targeted GPR linescans (Linescans A, B, and C) were performed in this anomaly area. One hyperbolic reflection response was detected on GPR scans. The shape, strength and ring-down of these reflections are similar to the GPR response that is often observed over cylindrical-shaped steel objects such as USTs, large diameter metal pipes or cylindrical-shaped metal containers. Based on the EM and GPR data, this anomaly area was interpreted to represent a possible large UST. The EM survey identified a strong EM 'metal' anomaly located at the southwestern portion of the site. Two targeted GPR linescans (Linescans F and G) were performed in this anomaly area. Based on the EM and GPR data, this anomaly area was interpreted to represent possible UST/large diameter pipe. A moderate EM 'metal' anomaly was identified at the northwestern corner of the building. Two targeted GPR linescans (Linescans D and E) were performed in this anomaly area. Cylindrical-shaped steel object was not identified on the GPR scans. It is not uncommon for some large metal objects to be undetectable to GPR when highly conductive backfill materials are present over the target. Based on the EM data and site history, this anomaly area was interpreted to represent possible small UST/metal debris. A small area of strong EM 'metal' anomaly located near the northwest corner of the building was likely associated with shallow buried pipes/ small metal debris. Other EM anomalies identified during the survey were most likely associated with the known aboveground interference, such as pay phone, dispensers, metal cage, and guardrail. The GPR survey identified a backfilled excavation located near the southeast corner of the building. Two targeted GPR linescans (Linescans H and I) were performed in this anomaly area. More chaotic reflection response was identified on GPR scans. Based on the GPR data and site history, this area was interpreted to represent a possible UST cavity.

Survey Methods and Limitations

The EM operates by driving a transmitter coil with an AC current at audio frequencies to generate a sinusoidal time-varying magnetic field. A receiver coil is positioned on or near the surface of the earth some distance away from the transmitter coil. The transmitted time-varying magnetic field generated by the transmitter coil induces secondary currents to flow in the subsurface, which in turn generate a secondary (induced) magnetic field. Both the induced secondary field, along with the primary field, is detected and recorded at the receiver coil.

The EM instruments contain two sets of coils that are located within opposite sides of the tool. One set of coil is used to transmit a primary magnetic field, which generates electrical current in the ground. The created current then generates a secondary magnetic field, which is sensed by the coils in the receiver end of the instrument. Data is then collected on a control unit indicating the conductivity of the earth. The magnitude of the secondary field is broken into two orthogonal components. The two components of the secondary magnetic field are in-phase (real component) and the quadrature or out-of-phase (imaginary component). For instruments operating within the Low Induction Number (LIN) approximation, the magnitude of the quadrature component of the secondary field is linearly proportional to the apparent conductivity. The in-phase measurement is most sensitive to buried metallic objects and can be used locate buried steel reinforced structures, UST, large utility pipes, and other metallic targets. In the absence of a highly conductive material (e.g. metallic targets) in the subsurface, the magnitude of the in-phase component is dependant on the magnetic susceptibility of the subsurface. The EMP-400 allows multiple frequency measurements at each survey station. The depth of exploration depends on the operating frequencies, target size and shape, and host-target conductivity. Site conditions that can limit, even preclude EM data interpretation include: urban or developed areas, thunderstorms and nearby metallic objects at or above the ground surface such as parked vehicles near the survey stations, rebar concrete, metal siding, overhead power lines, metal fence/guard rail, and manhole covers, etc. Areas of a site that may be difficult or impossible to survey include: steep slopes, standing water areas, overgrown vegetation areas, and obstructed areas.

GPR operates by transmitting pulses of ultra high frequency radio waves (microwave electromagnetic energy) down into the ground through a transducer or antenna. When the transmitted signal enters the ground, it contacts objects or subsurface strata with different electrical conductivities and dielectric constants. Part of the ground penetrating radar waves reflect off of the object or interface; while the rest of the waves pass through to the next interface. The reflected signals return to the antenna, pass through the antenna, and are received by the digital control unit. The control unit registers the reflections against two-way travel time in nanoseconds (ns) and then amplifies the signals. The output signal voltage peaks are plotted on the GPR profile as different color bands by the digital control unit.

GPR waves with 400 MHz frequency typically can reach depths up to 12 feet below ground surface (bgs) in low conductivity materials such as dry sand or granite. Clays, shale, and other high conductivity materials or materials having high moisture, may attenuate or absorb GPR signals, greatly decreasing the depth of penetration to 3 feet bgs or less. Other site conditions that can limit even preclude GPR data acquisition and interpretation include: surface obstructions, uneven ground surface, standing water, cellular tower, rebar concrete, small or shallow buried objects, and over-grown vegetation, etc.

Conclusions

This geophysical survey has identified four anomalies, three of which may represent buried USTs. The geophysical results presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed area(s) is contained herein. If uncertainties exist regarding the presence of geophysical anomalies, test pit excavations should be conducted to explore the actual subsurface conditions. No interpretation of subsurface conditions can be made for areas not surveyed or paved with rebar concrete. Please note that the survey data reflect site conditions on the day of the field survey.

GII greatly appreciates this opportunity to provide AKT with our geophysical survey service. If you have any questions, please contact me at (419) 868-2902.

Sincerely,

Geophysical Imaging, Inc.

Ming He
President/Geophysicist

Attachments
Figures 1 – 4

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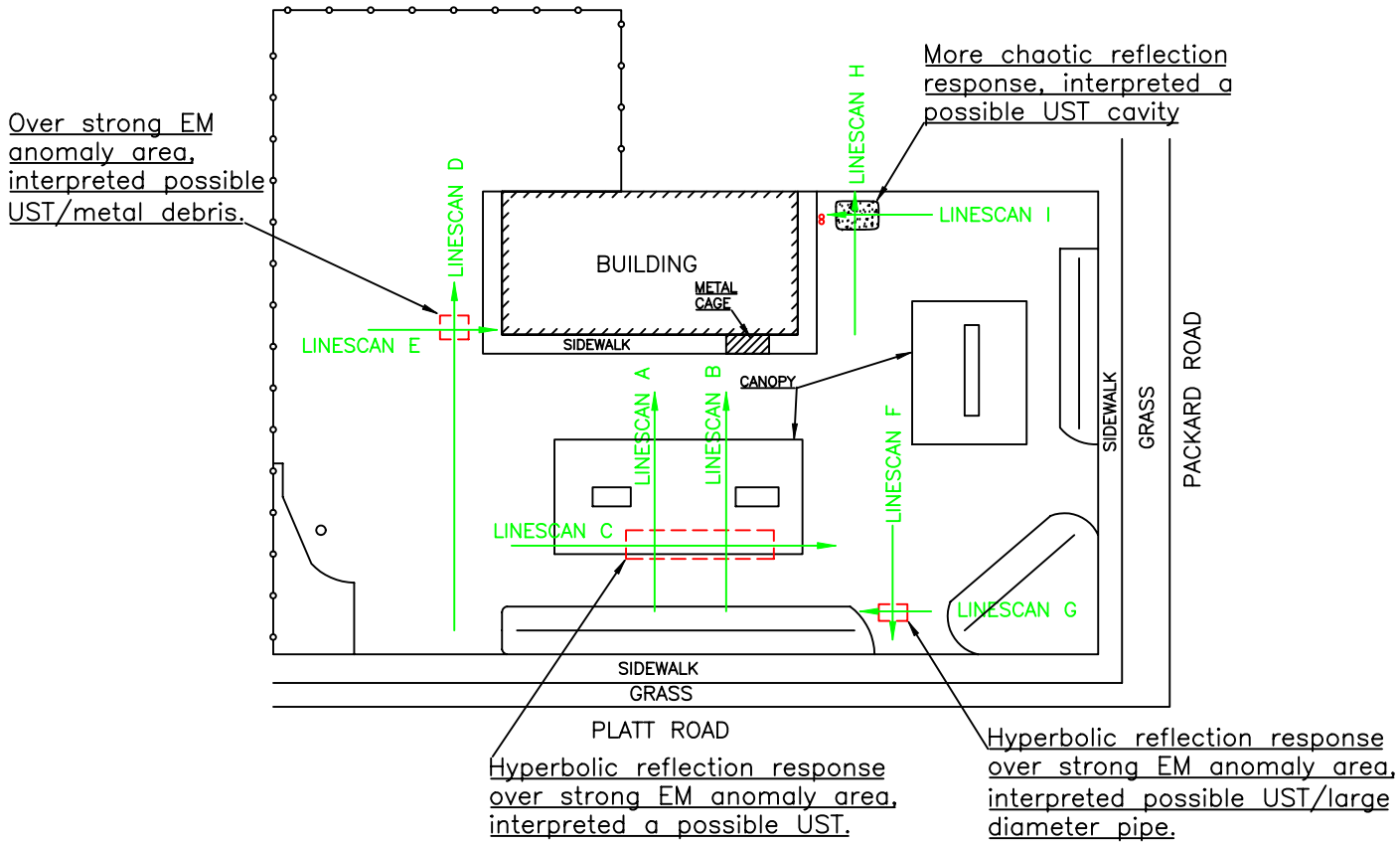


LEGEND:

- PAY PHONE
- VENT PIPE
- DISPENSER
- FENCE/GUARDRAIL

APPROXIMATE SCALE – FEET

0 40 80

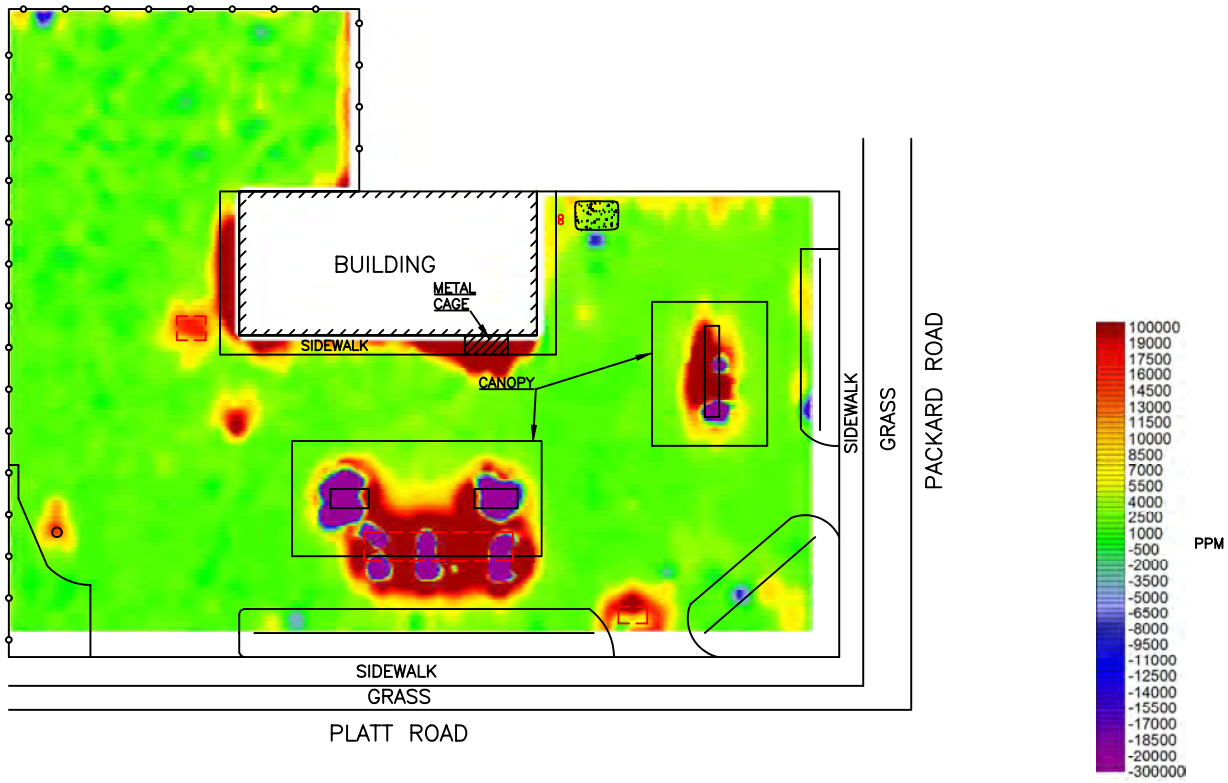
FIGURE 1
SURVEY DIAGRAM WITH GEOPHYSICAL INTERPRETATIONS
3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
FARMINGTON, MICHIGAN

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH
CHECKED
DRAWING NAME
10-501Fig1

Geophysical Imaging



LEGEND:

- PAY PHONE
- VENT PIPE
- DISPENSER
- FENCE/GUARDRAIL

APPROXIMATE SCALE – FEET

0 40 80

FIGURE 2
EM IN–PHASE (METAL SENSITIVE)
CONTOUR MAP – 9,000 Hz
3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
FARMINGTON, MICHIGAN

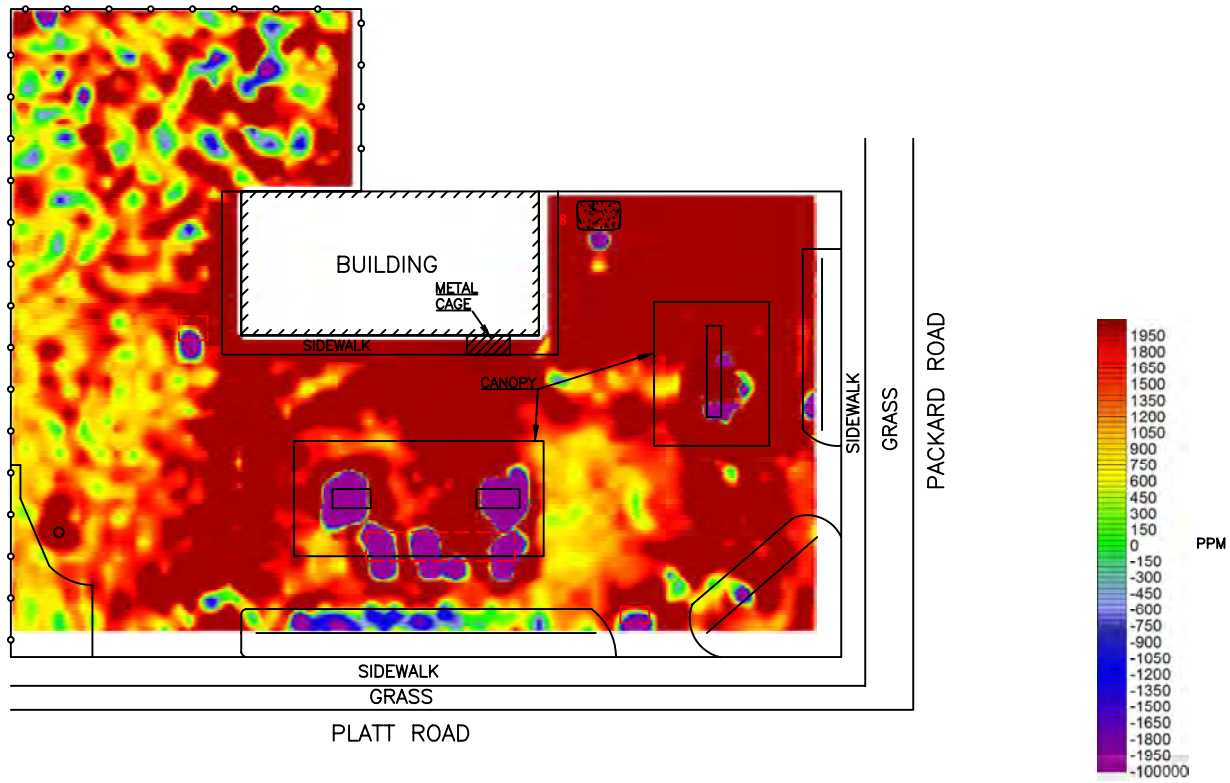
GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME
10–501Fig2

Geophysical Imaging



LEGEND:

- PAY PHONE
- VENT PIPE
- DISPENSER
- FENCE/GUARDRAIL

APPROXIMATE SCALE – FEET

0 40 80

FIGURE 3
EM QUADRATURE (TERRAIN CONDUCTIVITY) CONTOUR MAP – 9,000 Hz
3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
FARMINGTON, MICHIGAN

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

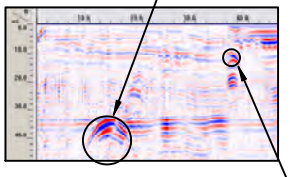
DRAWN MH

CHECKED

DRAWING NAME
10-501Fig3

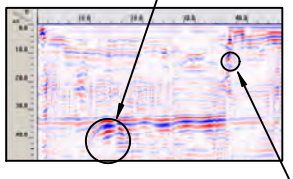
Geophysical Imaging

LINESCAN A: hyperbolic reflection response over strong EM anomaly area, interpreted a possible UST.



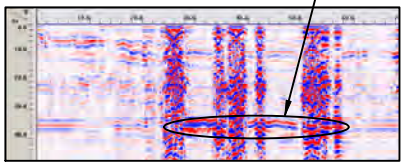
Possible Pipe

LINESCAN B: hyperbolic reflection response over strong EM anomaly area, interpreted a possible UST.

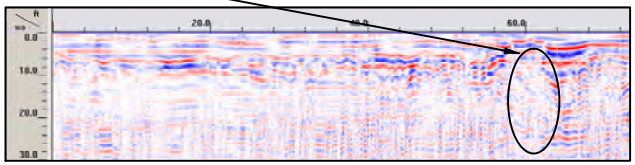


Possible Pipe

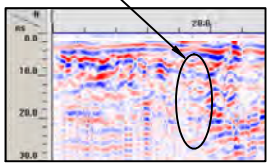
LINESCAN C: along axis of interpreted possible UST.



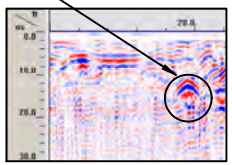
LINESCAN D: over strong EM anomaly area, interpreted a possible UST/metal debris.



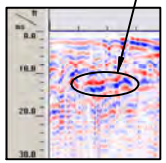
LINESCAN E: over strong EM anomaly area, interpreted a possible UST/metal debris.



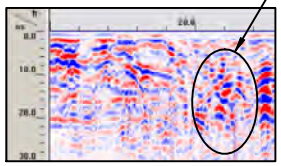
LINESCAN F: hyperbolic reflection response over strong EM anomaly area, interpreted possible UST/large diameter pipe.



LINESCAN G: along axis of interpreted possible UST/large diameter pipe.



LINESCAN H: more chaotic reflection response, interpreted a possible UST cavity



LINESCAN I: more chaotic reflection response, interpreted a possible UST cavity

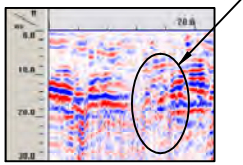


FIGURE 4
TARGETED GPR LINESCANS
LINESCANS A THROUGH I

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
FARMINGTON, MICHIGAN

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME
10-501Fig4

Geophysical Imaging

AKTPEERLESS
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Appendix B

Soil Boring Logs

AKTPEERLESS
environmental & energy services
22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

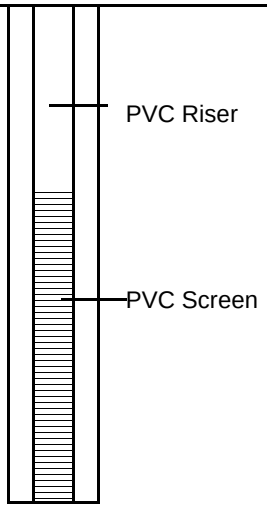
B-1

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	4 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	3-8 FEET BGS
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	1" Slotted PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE
						ASPHALT	
				SW	Gray	**SAND:** medium grain with a trace of gravel	M
2		100	<0.1				
4							▽
6		100	<0.1				
8				CL	Gray	**CLAY:** with some silt and a trace of sand and gravel	M
						End of Boring	
10							
12							
14							
16							
18							
20							

TEMPORARY WELL DIAGRAM



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Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

B-2

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	8.5 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
						ASPHALT		
				CL	Black & Green	**CLAY:** with some silt and a trace of sand and gravel	M	
2		100	<0.1					
4								
				CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M	
6		100	<0.1					
8							▽	
				ML	Brown	**SILT:** with a trace of fine sand	=	
				CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M	
10		100	<0.1					
12						End of Boring		
14								
16								
18								
20								

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BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

B-3

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	11.5 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
						ASPHALT		
				CL	Black & Green	**CLAY:** with some silt and a trace of sand and gravel	M	
2		100	<0.1					
4								
				CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M	
6		100	<0.1					
8								
10		100	<0.1					
				ML	Brown	**SILT:** with a trace of sand	▽	
12						End of Boring		
14								
16								
18								
20								

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BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

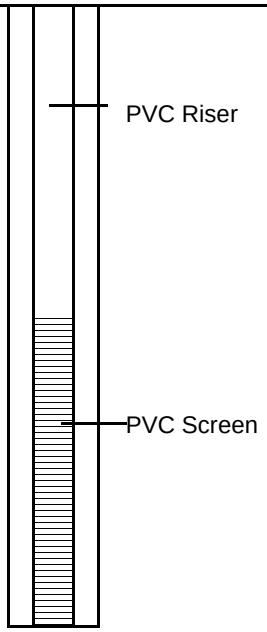
B-4

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	16 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	13 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	11-16 FEET BGS
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	1" Slotted PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE
						ASPHALT	
				CL	Black & Green	**CLAY:** with some silt and a trace of sand and gravel	M
2		100	<0.1				
				CL	Gray	**CLAY:** with some silt and a trace of sand and gravel	M
4							
				CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M
6		100	<0.1				
8							
10		100	<0.1				
12							▽
				SM	Brown	**SAND:** fine to medium grain with a trace of silt	
14		100	<0.1	CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M
16						End of Boring	
18							
20							

TEMPORARY WELL DIAGRAM



AKTPEERLESS
environmental & energy services
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Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

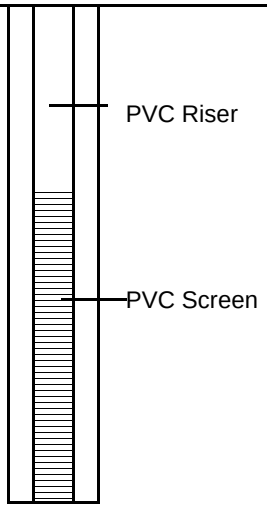
B-5

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	3 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE
						ASPHALT	
				SW	Brown	**SAND:** with some gravel	M
2		100	<0.1				
4							
6		100	102				
8			673	CL	Black	**CLAY:** with some silt and a trace of sand and gravel	M
						End of Boring	
10							
12							
14							
16							
18							
20							

TEMPORARY WELL DIAGRAM



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environmental & energy services
22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

B-6

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	2.5 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
						ASPHALT		
					Brown	**PEA STONE:** with a trace of sand	M	
2		100	<0.1				▽	
				CL	Brown & Gray	**CLAY:** with some silt and a trace of sand and gravel	M	
4								
			101					
6		100						
			<0.01					
8						End of Boring		
10								
12								
14								
16								
18								
20								

AKTPEERLESS
environmental & energy services
22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

B-7

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	Not Encountered
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
						TOPSOIL		
				CL	Brown	**CLAY:** with some silt and a trace of sand and gravel	M	
2		100	<0.1					
4								
6		100	<0.1					
8								
10		100	<0.1					
				CL	Gray	**CLAY:** with some silt and a trace of sand and gravel	M	
12						End of Boring (refusal)		
14								
16								
18								
20								

AKTPEERLESS
environmental & energy services
22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

3005 Packard
Ann Arbor, Michigan
PROJECT NUMBER: 6588F-2-20

B-8

Drawn By: JDF
Date: 07/29/10

DRILLING COMPANY:	AKT Peerless	WEATHER:	Scattered Showers, 90 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	07/23/10	DEPTH TO GW:	11.5 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	Not Applicable
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	Not Applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
						ASPHALT		
				SW	Brown	**SAND:** medium grain	M	
				CL	Gray	**CLAY:** with some silt and a trace of sand and gravel	M	
2		100	<0.1					
4								
			25	CL	Black	**CLAY:** with some silt and a trace of sand and gravel		
6		100						
			<0.1	CL	Brown	**CLAY:** with some silt and a trace of sand and gravel		
8								
10		100	<0.1					
				ML	Brown	**SILT:** with a trace of sand	▽	
12						End of Boring		
14								
16								
18								
20								

Appendix C

Low-Flow Sampling Logs

AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
B-1

Project Number:	6588F	Well Screen Interval (feet):	(3-8)
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	1"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	NA
Address:	3005 Packard Road	Purging Start Time:	13:17
Date and Time:	7/23/2010	Stabilization Time:	13.38
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	13:40

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	8.34	0.665	>1,000	2.45	27.38	-92.6
3	8.20	0.653	>1,000	0.95	27.19	-106.3
6	8.11	0.646	>1,000	0.54	27.12	-108.9
9	8.03	0.639	>1,000	0.35	27.24	-112.4
12	7.89	0.632	601.0	0.23	26.88	-124.5
15	7.84	0.629	425.0	0.21	26.77	-129.8
18	7.78	0.630	347.0	0.18	26.56	-134.9
21	7.76	0.633	346.0	0.18	26.52	-135.9
24						
27						
30						
33						
36						
39						
42						
45						
48						
51						
54						
57						
60						

AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-2

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	6.35
Address:	3005 Packard Road	Purging Start Time:	9:33
Date and Time:	7/23/2010	Stabilization Time:	9:57
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	9:59

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	8.07	0.475	228.0	6.86	18.09	45.6
3	8.00	0.474	94.8	7.39	18.08	52.9
6	7.96	0.477	103.0	6.67	18.22	52.6
9	7.91	0.499	149.0	5.82	18.09	48.9
12	7.86	0.573	163.0	3.36	17.17	35.1
15	7.78	0.698	163.0	2.16	16.66	18.5
18	7.71	0.843	71.0	1.47	16.62	-15.8
21	7.66	0.972	26.8	1.10	16.71	-44.4
24	7.66	0.981	19.5	1.13	16.67	-49.5
27						
30						
33						
36						
39						
42						
45						
48						
51						
54						
57						
60						

AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-4

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	2.50
Address:	3005 Packard Road	Purging Start Time:	10:53
Date and Time:	7/23/2010	Stabilization Time:	11:05
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	11:07

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.74	1.316	66.3	4.80	18.00	64
3	7.70	1.314	19.7	1.32	18.06	-33
6	7.63	1.232	14.3	0.55	18.03	-71
9	7.61	1.170	12.0	0.55	17.85	-79
12	7.60	1.159	9.3	0.55	17.80	-82
15						
18						
21						
24						
27						
30						
33						
36						
39						
42						
45						
48						
51						
54						
57						
60						

AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-4D

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	16.10
Address:	3005 Packard Road	Purging Start Time:	11:11
Date and Time:	7/23/2010	Stabilization Time:	11:20
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	11:22

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.70	0.832	7.8	5.30	14.34	-52.8
3	7.46	1.055	5.0	1.15	14.12	-54.8
6	7.41	1.132	3.1	0.90	14.06	-56.6
9	7.39	1.156	3.7	0.84	14.09	-61.0
12						
15						
18						
21						
24						
27						
30						
33						
36						
39						
42						
45						
48						
51						
54						
57						
60						

AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-5

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	5.55
Address:	3005 Packard Road	Purging Start Time:	8:30
Date and Time:	7/23/2010	Stabilization Time:	8:42
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	8:44

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.90	1.816	297.0	7.13	18.03	-78.4
3	7.76	1.725	54.8	3.75	18.85	-94.6
6	7.70	1.718	18.2	2.53	19.02	-100.3
9	7.67	1.757	8.8	1.92	18.95	-101.4
12	7.64	1.815	6.5	1.54	18.62	-101.3
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AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-7

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	1.65
Address:	3005 Packard Road	Purging Start Time:	9:00
Date and Time:	7/23/2010	Stabilization Time:	9:12
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	9:14

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.87	1.216	387	2.72	20.40	-84.8
3	7.75	1.289	515	1.12	19.98	-118.4
6	7.74	1.354	706	0.88	19.79	-132.4
9	7.74	1.402	780	0.77	19.71	-138.4
12	7.75	1.466	831	0.71	19.72	-143.7
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LOW-FLOW SAMPLING LOG
MW-8

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	6.55
Address:	3005 Packard Road	Purging Start Time:	10:08
Date and Time:	7/23/2010	Stabilization Time:	10:20
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	10:22

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.84	0.736	29.2	3.76	16.05	-18.0
3	7.80	0.717	8.5	2.12	16.21	-52.2
6	7.73	0.701	6.3	0.83	16.73	-74.5
9	7.73	0.701	5.1	0.59	17.27	-85.6
12	7.73	0.703	5.5	0.55	17.43	-89.8
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AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-9

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	2.95
Address:	3005 Packard Road	Purging Start Time:	10:33
Date and Time:	7/23/2010	Stabilization Time:	10:41
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	10:43

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	8.20	0.128	41.7	4.09	23.88	50.6
3	8.15	0.109	42.3	0.86	24.18	-27.5
6	8.00	0.110	NA	1.16	24.17	-54.5
9	7.99	0.127	NA	0.55	21.43	-58.0
12	7.98	0.129	NA	0.61	21.59	-59.9
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AKTPEERLESS environmental & energy services

LOW-FLOW SAMPLING LOG
MW-10

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	4.95
Address:	3005 Packard Road	Purging Start Time:	11:34
Date and Time:	7/23/2010	Stabilization Time:	11:46
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	11:48

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.47	1.244	134.0	2.46	18.04	16.9
3	7.35	1.227	15.5	1.30	18.85	-4.5
6	7.37	1.227	6.2	0.88	19.45	-13.4
9	7.37	1.243	6.3	0.89	19.53	-16.8
12	7.37	1.259	5.1	0.86	19.50	-19.6
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LOW-FLOW SAMPLING LOG
MW-D

Project Number:	6588F	Well Screen Interval (feet):	Unknown
Bill Group and Phase:	2-20	Well Screen Diameter (inches):	2"
Site Name:	DCCBC	Initial Static Water Level (0.01 feet):	NA
Address:	3005 Packard Road	Purging Start Time:	12:05
Date and Time:	7/23/2010	Stabilization Time:	12:14
Weather Conditions:	Cloudy, 85°F	Sample Collection Time:	12:16

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	ORP/eh
(Minutes)	(+/- 0.1 units)	(3%)	(10%)	(+/- 10mV)	(3%)	(10%)
0	7.65	2.390	21.2	7.20	18.67	134.1
3	7.45	2.375	15.7	3.67	18.85	100.7
6	7.42	2.376	9.5	3.02	18.96	92.4
9	7.45	2.381	5.3	3.17	18.87	83.1
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Appendix D

Laboratory Analytical Report

Analytical Laboratory Report

Report ID: S45025.01(01)
Generated on 08/03/2010

Report to

Attention: Jeremy Fox
AKT Peerless Environmental
22725 Orchard Lake Rd.
Farmington, MI 48336

Phone: 248-615-1333 FAX:
Email: foxj@aktpeerless.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S45025.01-S45025.32
Project: 6588F-2-20
Collected Date: 07/23/2010
Submitted Date/Time: 07/27/2010 08:00
Sampled by: Jeremy Fox
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (32 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S45025.01	B-1 (1-3)	Soil	07/23/2010
S45025.02	B-2 (2-4)	Soil	07/23/2010
S45025.03	B-3 (2-4)	Soil	07/23/2010
S45025.04	B-4 (1-3)	Soil	07/23/2010
S45025.05	B-4 (1-3) MS	Soil	07/23/2010
S45025.06	B-4 (1-3) MSD	Soil	07/23/2010
S45025.07	B-5 (7.5-8)	Soil	07/23/2010
S45025.08	B-6 (4-6)	Soil	07/23/2010
S45025.09	B-7 (3-4)	Soil	07/23/2010
S45025.10	B-8 (4-6)	Soil	07/23/2010
S45025.11	Soil Duplicate	Soil	07/23/2010
S45025.12	B-1W	Groundwater	07/23/2010
S45025.13	B-4W	Groundwater	07/23/2010
S45025.14	B-5W	Groundwater	07/23/2010
S45025.15	Trip Blank	Liquid	07/23/2010
S45025.16	Methanol Blank	Liquid	07/23/2010
S45025.17	Field Blank	Groundwater	07/23/2010
S45025.18	MW-2	Groundwater	07/23/2010
S45025.19	MW-4	Groundwater	07/23/2010
S45025.20	MW-4D	Groundwater	07/23/2010
S45025.21	MW-5	Groundwater	07/23/2010
S45025.22	MW-7	Groundwater	07/23/2010
S45025.23	MW-8	Groundwater	07/23/2010
S45025.24	MW-9	Groundwater	07/23/2010
S45025.25	MW-9 MS	Groundwater	07/23/2010
S45025.26	MW-9 MSD	Groundwater	07/23/2010
S45025.27	MW-10	Groundwater	07/23/2010
S45025.28	MW-D	Groundwater	07/23/2010
S45025.29	Groundwater Dup #1	Groundwater	07/23/2010
S45025.30	GW Dup #2	Groundwater	07/23/2010
S45025.31	GW Equipment	Groundwater	07/23/2010
S45025.32	Soil Equipment	Groundwater	07/23/2010

Analytical Laboratory Report

Lab Sample ID: S45025.01
Sample Tag: B-1 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	07/27/10 10:48	ADB		
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:22	EMR		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.46	mg/kg	0.20	6020	07/30/10 13:45	SLS	7440-43-9	
Chromium	4.59	mg/kg	0.05	6020	07/30/10 13:45	SLS	7440-47-3	
Lead	46.3	mg/kg	0.30	6020	07/30/10 13:45	SLS	7439-92-1	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	07/29/10 12:32	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	120-12-7	
Benzo(a)anthracene	300	ug/kg	300	8270C	07/30/10 06:26	PL	56-55-3	
Benzo(a)pyrene	300	ug/kg	300	8270C	07/30/10 06:26	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	205-99-2	
Benzo(k)fluoranthene	300	ug/kg	300	8270C	07/30/10 06:26	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	191-24-2	
Chrysene	400	ug/kg	300	8270C	07/30/10 06:26	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	53-70-3	
Fluoranthene	700	ug/kg	300	8270C	07/30/10 06:26	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	91-20-3	
Phenanthrene	500	ug/kg	300	8270C	07/30/10 06:26	PL	85-01-8	
Pyrene	800	ug/kg	300	8270C	07/30/10 06:26	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:26	PL	90-12-0	

Analytical Laboratory Report

Lab Sample ID: S45025.01 (continued)
Sample Tag: B-1 (1-3)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	07/27/10 14:12	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:12	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	07/27/10 14:12	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	900	8260B/5035	07/27/10 14:12	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	200	8260B/5035	07/27/10 14:12	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:12	JGH	109-99-9	
Chloroform	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	07/27/10 14:12	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	07/27/10 14:12	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	56-23-5	
Benzene	70	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	07/27/10 14:12	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	630-20-6	
Ethylbenzene	310	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	100-41-4	
p,m-Xylene	600	ug/kg	100	8260B/5035	07/27/10 14:12	JGH		
o-Xylene	140	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	95-47-6	
Styrene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	79-34-5	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S45025.01 (continued)
Sample Tag: B-1 (1-3)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	96-18-4	
n-Propylbenzene	600	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	98-06-6	
1,2,4-Trimethylbenzene	500	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	95-63-6	
sec-Butylbenzene	210	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	95-50-1	
1,2,3-Trimethylbenzene	200	ug/kg	100	8260B/5035	07/27/10 14:12	JGH	526-73-8	
n-Butylbenzene	310	ug/kg	60	8260B/5035	07/27/10 14:12	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:12	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:12	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	07/27/10 14:12	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	07/27/10 14:12	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	400	8260B/5035	07/27/10 14:12	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	07/27/10 14:12	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.02
Sample Tag: B-2 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	07/27/10 10:48	ADB		
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:22	EMR		
Inorganics								
Total Solids	78	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.51	mg/kg	0.20	6020	07/30/10 13:48	SLS	7440-43-9	
Chromium	7.42	mg/kg	0.05	6020	07/30/10 13:48	SLS	7440-47-3	
Lead	14.3	mg/kg	0.30	6020	07/30/10 13:48	SLS	7439-92-1	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	07/28/10 14:48	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 04:54	PL	90-12-0	

Analytical Laboratory Report

Lab Sample ID: S45025.02 (continued)
Sample Tag: B-2 (2-4)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	07/27/10 14:32	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:32	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	07/27/10 14:32	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:32	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:32	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:32	JGH	109-99-9	
Chloroform	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	07/27/10 14:32	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	07/27/10 14:32	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	56-23-5	
Benzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	07/27/10 14:32	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH		
o-Xylene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	95-47-6	
Styrene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S45025.02 (continued)
Sample Tag: B-2 (2-4)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:32	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:32	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:32	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:32	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:32	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:32	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:32	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.03
Sample Tag: B-3 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:22	EMR		
Inorganics								
Total Solids	84	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.22	mg/kg	0.20	6020	07/30/10 13:51	SLS	7440-43-9	
Chromium	5.42	mg/kg	0.05	6020	07/30/10 13:51	SLS	7440-47-3	
Lead	11.4	mg/kg	0.30	6020	07/30/10 13:51	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:17	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:52	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:52	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	75-71-8	

Lab Sample ID: S45025.03 (continued)
Sample Tag: B-3 (2-4)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Chloromethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/27/10 14:52	JGH	109-99-9	
Chloroform	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	07/27/10 14:52	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	07/27/10 14:52	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	56-23-5	
Benzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	07/27/10 14:52	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH		
o-Xylene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	95-47-6	
Styrene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	99-87-6	

M-Result reported to MDL not RDL

Lab Sample ID: S45025.03 (continued)
Sample Tag: B-3 (2-4)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/27/10 14:52	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/27/10 14:52	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	07/27/10 14:52	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	07/27/10 14:52	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:52	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:52	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:52	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	500	8260B/5035	07/27/10 14:52	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.04
Sample Tag: B-4 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:34	EMR		
Inorganics								
Total Solids	79	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.68	mg/kg	0.20	6020	07/30/10 14:16	SLS	7440-43-9	
Chromium	6.78	mg/kg	0.05	6020	07/30/10 14:16	SLS	7440-47-3	
Lead	81.4	mg/kg	0.30	6020	07/30/10 14:16	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 00:18	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	07/27/10 15:12	JGH	60-29-7	
Acetone	Not detected	ug/kg	2,000	8260B/5035	07/27/10 15:12	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	07/27/10 15:12	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	07/27/10 15:12	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	75-71-8	

Lab Sample ID: S45025.04 (continued)
Sample Tag: B-4 (1-3)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Chloromethane	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	07/27/10 15:12	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	8260B/5035	07/27/10 15:12	JGH	109-99-9	
Chloroform	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	07/27/10 15:12	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	07/27/10 15:12	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	56-23-5	
Benzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	10061-01-5	
Toluene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	07/27/10 15:12	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	630-20-6	
Ethylbenzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH		
o-Xylene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	95-47-6	
Styrene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	98-82-8	
Bromoform	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	99-87-6	

M-Result reported to MDL not RDL

Lab Sample ID: S45025.04 (continued)
Sample Tag: B-4 (1-3)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,3-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	07/27/10 15:12	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	80	8260B/5035	07/27/10 15:12	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	8260B/5035	07/27/10 15:12	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	07/27/10 15:12	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	600	8260B/5035	07/27/10 15:12	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	600	8260B/5035	07/27/10 15:12	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	600	8260B/5035	07/27/10 15:12	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	600	8260B/5035	07/27/10 15:12	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.05
Sample Tag: B-4 (1-3) MS
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:34	EMR		
Inorganics								
Total Solids	81	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	25.85	mg/kg	0.20	6020	07/30/10 14:06	SLS	7440-43-9	
Chromium	33.7	mg/kg	0.05	6020	07/30/10 14:06	SLS	7440-47-3	
Lead	31.7	mg/kg	0.30	6020	07/30/10 14:06	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	700	ug/kg	300	8270C	07/30/10 00:41	PL	83-32-9	1
Acenaphthylene	600	ug/kg	300	8270C	07/30/10 00:41	PL	208-96-8	1
Anthracene	1,200	ug/kg	300	8270C	07/30/10 00:41	PL	120-12-7	1
Benzo(a)anthracene	1,400	ug/kg	300	8270C	07/30/10 00:41	PL	56-55-3	1
Benzo(a)pyrene	1,400	ug/kg	300	8270C	07/30/10 00:41	PL	50-32-8	1
Benzo(b)fluoranthene	1,200	ug/kg	300	8270C	07/30/10 00:41	PL	205-99-2	1
Benzo(k)fluoranthene	1,400	ug/kg	300	8270C	07/30/10 00:41	PL	207-08-9	1
Benzo(ghi)perylene	1,300	ug/kg	300	8270C	07/30/10 00:41	PL	191-24-2	1
Chrysene	1,400	ug/kg	300	8270C	07/30/10 00:41	PL	218-01-9	1
Dibenzo(ah)anthracene	1,300	ug/kg	300	8270C	07/30/10 00:41	PL	53-70-3	1
Fluoranthene	1,200	ug/kg	300	8270C	07/30/10 00:41	PL	206-44-0	1
Fluorene	800	ug/kg	300	8270C	07/30/10 00:41	PL	86-73-7	1
Indeno(1,2,3-cd)pyrene	1,300	ug/kg	300	8270C	07/30/10 00:41	PL	193-39-5	1
Naphthalene	400	ug/kg	300	8270C	07/30/10 00:41	PL	91-20-3	1
Phenanthrene	1,100	ug/kg	300	8270C	07/30/10 00:41	PL	85-01-8	1
Pyrene	1,300	ug/kg	300	8270C	07/30/10 00:41	PL	129-00-0	1
2-Methylnaphthalene	400	ug/kg	300	8270C	07/30/10 00:41	PL	91-57-6	1
1-Methylnaphthalene	400	ug/kg	300	8270C	07/30/10 00:41	PL	90-12-0	1
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	2,900	ug/kg	300	8260B/5035	07/27/10 15:52	JGH	60-29-7	2
Acetone	3,000	ug/kg	1,000	8260B/5035	07/27/10 15:52	JGH	67-64-1	2
Methyl iodide	3,500	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	74-88-4	2
Carbon disulfide	3,200	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	75-15-0	2
tert-Methyl butyl ether (MTBE)	3,600	ug/kg	300	8260B/5035	07/27/10 15:52	JGH	1634-04-4	2
Acrylonitrile	3,700	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	107-13-1	2

1-Dry Weight Spike: 2.1 mg/kg
2-Spiked at 2.5mg/kg

Lab Sample ID: S45025.05 (continued)
Sample Tag: B-4 (1-3) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
2-Butanone (MEK)	3,000	ug/kg	1,000	8260B/5035	07/27/10 15:52	JGH	78-93-3	1
Dichlorodifluoromethane	3,300	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	75-71-8	1
Chloromethane	3,500	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	74-87-3	1
Vinyl chloride	3,900	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	75-01-4	1
Bromomethane	2,800	ug/kg	300	8260B/5035	07/27/10 15:52	JGH	74-83-9	1
Chloroethane	2,200	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	75-00-3	1
Trichlorofluoromethane	3,700	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	75-69-4	1
1,1-Dichloroethene	3,610	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	75-35-4	1
Methylene chloride	3,500	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	75-09-2	1
trans-1,2-Dichloroethene	3,680	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	156-60-5	1
1,1-Dichloroethane	3,560	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	75-34-3	1
cis-1,2-Dichloroethene	3,760	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	156-59-2	1
Tetrahydrofuran	3,000	ug/kg	1,000	8260B/5035	07/27/10 15:52	JGH	109-99-9	1
Chloroform	3,750	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	67-66-3	1
Bromochloromethane	3,700	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	74-97-5	1
1,1,1-Trichloroethane	3,900	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	07/27/10 15:52	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	07/27/10 15:52	JGH	591-78-6	1
Carbon tetrachloride	3,800	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	56-23-5	1
Benzene	3,810	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	71-43-2	1
1,2-Dichloroethane	3,750	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	107-06-2	1
Trichloroethene	3,760	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	79-01-6	1
1,2-Dichloropropane	3,810	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	78-87-5	1
Bromodichloromethane	3,700	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	75-27-4	1
Dibromomethane	3,800	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	74-95-3	1
cis-1,3-Dichloropropene	3,760	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	10061-01-5	1
Toluene	3,600	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	108-88-3	1
trans-1,3-Dichloropropene	3,630	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	10061-02-6	1
1,1,2-Trichloroethane	3,850	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	79-00-5	1
Tetrachloroethene	3,910	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	3,760	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	110-57-6	1
Dibromochloromethane	3,600	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	124-48-1	1
1,2-Dibromoethane	3,780	ug/kg	30	8260B/5035	07/27/10 15:52	JGH	106-93-4	M1
Chlorobenzene	3,730	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	3,800	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	630-20-6	1
Ethylbenzene	3,930	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	100-41-4	1
p,m-Xylene	7,900	ug/kg	100	8260B/5035	07/27/10 15:52	JGH		1
o-Xylene	4,010	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	95-47-6	1
Styrene	3,670	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	100-42-5	1
Isopropylbenzene	3,700	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	98-82-8	1
Bromoform	3,400	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	3,870	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	79-34-5	1
1,2,3-Trichloropropane	4,400	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	96-18-4	1
n-Propylbenzene	4,000	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	103-65-1	1
Bromobenzene	3,800	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	108-86-1	1
1,3,5-Trimethylbenzene	4,100	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	108-67-8	1
tert-Butylbenzene	4,060	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	98-06-6	1

1-Spiked at 2.5mg/kg
M-Result reported to MDL not RDL

Lab Sample ID: S45025.05 (continued)
Sample Tag: B-4 (1-3) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,4-Trimethylbenzene	4,200	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	95-63-6	1
sec-Butylbenzene	3,930	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	135-98-8	1
p-Isopropyltoluene	4,100	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	99-87-6	1
1,3-Dichlorobenzene	3,900	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	541-73-1	1
1,4-Dichlorobenzene	3,700	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	106-46-7	1
1,2-Dichlorobenzene	3,800	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	95-50-1	1
1,2,3-Trimethylbenzene	3,900	ug/kg	100	8260B/5035	07/27/10 15:52	JGH	526-73-8	1
n-Butylbenzene	4,000	ug/kg	70	8260B/5035	07/27/10 15:52	JGH	104-51-8	1
Hexachloroethane	3,600	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	3,600	ug/kg	400	8260B/5035	07/27/10 15:52	JGH	96-12-8	1
1,2,4-Trichlorobenzene	3,800	ug/kg	500	8260B/5035	07/27/10 15:52	JGH	120-82-1	1
1,2,3-Trichlorobenzene	3,600	ug/kg	500	8260B/5035	07/27/10 15:52	JGH	87-61-6	1
Naphthalene	3,700	ug/kg	500	8260B/5035	07/27/10 15:52	JGH	91-20-3	1
2-Methylnaphthalene	3,100	ug/kg	500	8260B/5035	07/27/10 15:52	JGH	91-57-6	1

1-Spiked at 2.5mg/kg

Analytical Laboratory Report

Lab Sample ID: S45025.06
Sample Tag: B-4 (1-3) MSD
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:34	EMR		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	24.13	mg/kg	0.20	6020	07/30/10 14:08	SLS	7440-43-9	
Chromium	28.7	mg/kg	0.05	6020	07/30/10 14:08	SLS	7440-47-3	
Lead	85.3	mg/kg	0.30	6020	07/30/10 14:08	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	1,500	ug/kg	300	8270C	07/30/10 01:04	PL	83-32-9	1
Acenaphthylene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	208-96-8	1
Anthracene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	120-12-7	1
Benzo(a)anthracene	1,600	ug/kg	300	8270C	07/30/10 01:04	PL	56-55-3	1
Benzo(a)pyrene	1,600	ug/kg	300	8270C	07/30/10 01:04	PL	50-32-8	1
Benzo(b)fluoranthene	1,600	ug/kg	300	8270C	07/30/10 01:04	PL	205-99-2	1
Benzo(k)fluoranthene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	207-08-9	1
Benzo(ghi)perylene	1,100	ug/kg	300	8270C	07/30/10 01:04	PL	191-24-2	1
Chrysene	1,500	ug/kg	300	8270C	07/30/10 01:04	PL	218-01-9	1
Dibenzo(ah)anthracene	1,100	ug/kg	300	8270C	07/30/10 01:04	PL	53-70-3	1
Fluoranthene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	206-44-0	1
Fluorene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	86-73-7	1
Indeno(1,2,3-cd)pyrene	1,100	ug/kg	300	8270C	07/30/10 01:04	PL	193-39-5	1
Naphthalene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	91-20-3	1
Phenanthrene	1,400	ug/kg	300	8270C	07/30/10 01:04	PL	85-01-8	1
Pyrene	1,700	ug/kg	300	8270C	07/30/10 01:04	PL	129-00-0	1
2-Methylnaphthalene	1,300	ug/kg	300	8270C	07/30/10 01:04	PL	91-57-6	1
1-Methylnaphthalene	1,200	ug/kg	300	8270C	07/30/10 01:04	PL	90-12-0	1
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	3,300	ug/kg	300	8260B/5035	07/27/10 16:12	JGH	60-29-7	2
Acetone	3,000	ug/kg	2,000	8260B/5035	07/27/10 16:12	JGH	67-64-1	2
Methyl iodide	3,900	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	74-88-4	2
Carbon disulfide	3,600	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	75-15-0	2
tert-Methyl butyl ether (MTBE)	4,000	ug/kg	300	8260B/5035	07/27/10 16:12	JGH	1634-04-4	2
Acrylonitrile	4,000	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	107-13-1	2

1-Dry Weight Spike: 1.9 mg/kg
2-Spiked at 2.5mg/kg

Lab Sample ID: S45025.06 (continued)
Sample Tag: B-4 (1-3) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
2-Butanone (MEK)	3,000	ug/kg	1,000	8260B/5035	07/27/10 16:12	JGH	78-93-3	1
Dichlorodifluoromethane	3,500	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	75-71-8	1
Chloromethane	3,800	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	74-87-3	1
Vinyl chloride	4,170	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	75-01-4	1
Bromomethane	3,100	ug/kg	300	8260B/5035	07/27/10 16:12	JGH	74-83-9	1
Chloroethane	2,400	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	75-00-3	1
Trichlorofluoromethane	4,000	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	75-69-4	1
1,1-Dichloroethene	3,850	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	75-35-4	1
Methylene chloride	4,000	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	75-09-2	1
trans-1,2-Dichloroethene	4,080	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	156-60-5	1
1,1-Dichloroethane	4,000	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	75-34-3	1
cis-1,2-Dichloroethene	4,220	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	156-59-2	1
Tetrahydrofuran	3,000	ug/kg	2,000	8260B/5035	07/27/10 16:12	JGH	109-99-9	1
Chloroform	4,260	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	67-66-3	1
Bromochloromethane	4,300	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	74-97-5	1
1,1,1-Trichloroethane	4,350	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	4,000	ug/kg	4,000	8260B/5035	07/27/10 16:12	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	07/27/10 16:12	JGH	591-78-6	1
Carbon tetrachloride	4,210	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	56-23-5	1
Benzene	4,260	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	71-43-2	1
1,2-Dichloroethane	4,150	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	107-06-2	1
Trichloroethene	4,220	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	79-01-6	1
1,2-Dichloropropane	4,330	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	78-87-5	1
Bromodichloromethane	4,200	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	75-27-4	1
Dibromomethane	4,300	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	74-95-3	1
cis-1,3-Dichloropropene	4,320	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	10061-01-5	1
Toluene	4,100	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	108-88-3	1
trans-1,3-Dichloropropene	4,170	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	10061-02-6	1
1,1,2-Trichloroethane	4,320	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	79-00-5	1
Tetrachloroethene	4,450	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	3,980	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	110-57-6	1
Dibromochloromethane	4,100	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	124-48-1	1
1,2-Dibromoethane	4,170	ug/kg	30	8260B/5035	07/27/10 16:12	JGH	106-93-4	M1
Chlorobenzene	4,250	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	630-20-6	1
Ethylbenzene	4,370	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	100-41-4	1
p,m-Xylene	8,800	ug/kg	200	8260B/5035	07/27/10 16:12	JGH		1
o-Xylene	4,500	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	95-47-6	1
Styrene	4,130	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	100-42-5	1
Isopropylbenzene	4,200	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	98-82-8	1
Bromoform	3,900	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	4,480	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	79-34-5	1
1,2,3-Trichloropropane	4,800	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	96-18-4	1
n-Propylbenzene	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	103-65-1	1
Bromobenzene	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	108-86-1	1
1,3,5-Trimethylbenzene	4,500	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	108-67-8	1
tert-Butylbenzene	4,470	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	98-06-6	1

1-Spiked at 2.5mg/kg
M-Result reported to MDL not RDL

Lab Sample ID: S45025.06 (continued)
Sample Tag: B-4 (1-3) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,4-Trimethylbenzene	4,600	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	95-63-6	1
sec-Butylbenzene	4,400	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	135-98-8	1
p-Isopropyltoluene	4,700	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	99-87-6	1
1,3-Dichlorobenzene	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	541-73-1	1
1,4-Dichlorobenzene	4,300	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	106-46-7	1
1,2-Dichlorobenzene	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	95-50-1	1
1,2,3-Trimethylbenzene	4,400	ug/kg	200	8260B/5035	07/27/10 16:12	JGH	526-73-8	1
n-Butylbenzene	4,430	ug/kg	80	8260B/5035	07/27/10 16:12	JGH	104-51-8	1
Hexachloroethane	4,100	ug/kg	500	8260B/5035	07/27/10 16:12	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	4,100	ug/kg	400	8260B/5035	07/27/10 16:12	JGH	96-12-8	1
1,2,4-Trichlorobenzene	4,400	ug/kg	500	8260B/5035	07/27/10 16:12	JGH	120-82-1	1
1,2,3-Trichlorobenzene	4,100	ug/kg	500	8260B/5035	07/27/10 16:12	JGH	87-61-6	1
Naphthalene	4,000	ug/kg	500	8260B/5035	07/27/10 16:12	JGH	91-20-3	1
2-Methylnaphthalene	3,500	ug/kg	500	8260B/5035	07/27/10 16:12	JGH	91-57-6	1

1-Spiked at 2.5mg/kg

Analytical Laboratory Report

Lab Sample ID: S45025.07
Sample Tag: B-5 (7.5-8)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:22	EMR		
Inorganics								
Total Solids	80	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.32	mg/kg	0.20	6020	07/30/10 13:53	SLS	7440-43-9	
Chromium	8.98	mg/kg	0.05	6020	07/30/10 13:53	SLS	7440-47-3	
Lead	6.81	mg/kg	0.30	6020	07/30/10 13:53	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 05:40	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	1,000	8260B/5035	07/30/10 21:00	JGH	60-29-7	Y
Acetone	Not detected	ug/kg	6,000	8260B/5035	07/30/10 21:00	JGH	67-64-1	Y
Methyl iodide	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	74-88-4	Y
Carbon disulfide	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	75-15-0	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	1,000	8260B/5035	07/30/10 21:00	JGH	1634-04-4	Y
Acrylonitrile	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	107-13-1	Y
2-Butanone (MEK)	Not detected	ug/kg	5,000	8260B/5035	07/30/10 21:00	JGH	78-93-3	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S45025.07 (continued)
Sample Tag: B-5 (7.5-8)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Dichlorodifluoromethane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	75-71-8	Y
Chloromethane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	74-87-3	Y
Vinyl chloride	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	75-01-4	Y
Bromomethane	Not detected	ug/kg	1,000	8260B/5035	07/30/10 21:00	JGH	74-83-9	Y
Chloroethane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	75-35-4	Y
Methylene chloride	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	156-59-2	Y
Tetrahydrofuran	Not detected	ug/kg	6,000	8260B/5035	07/30/10 21:00	JGH	109-99-9	Y
Chloroform	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	67-66-3	Y
Bromochloromethane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	74-97-5	Y
1,1,1-Trichloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	71-55-6	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	20,000	8260B/5035	07/30/10 21:00	JGH	108-10-1	Y
2-Hexanone	Not detected	ug/kg	20,000	8260B/5035	07/30/10 21:00	JGH	591-78-6	Y
Carbon tetrachloride	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	56-23-5	Y
Benzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	107-06-2	Y
Trichloroethene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	78-87-5	Y
Bromodichloromethane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	75-27-4	Y
Dibromomethane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	74-95-3	Y
cis-1,3-Dichloropropene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	10061-01-5	Y
Toluene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/kg	700	8260B/5035	07/30/10 21:00	JGH	79-00-5	XY
Tetrachloroethene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	127-18-4	Y
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	110-57-6	Y
Dibromochloromethane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/kg	100	8260B/5035	07/30/10 21:00	JGH	106-93-4	MY
Chlorobenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	108-90-7	Y
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	630-20-6	Y
Ethylbenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH		Y
o-Xylene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	95-47-6	Y
Styrene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	100-42-5	Y
Isopropylbenzene	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	98-82-8	Y
Bromoform	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	75-25-2	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	4,200	8260B/5035	07/30/10 21:00	JGH	79-34-5	XY
1,2,3-Trichloropropane	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	96-18-4	Y
n-Propylbenzene	2,600	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	103-65-1	Y
Bromobenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	108-86-1	Y
1,3,5-Trimethylbenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	108-67-8	Y
tert-Butylbenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	98-06-6	Y

Y-Elevated reporting limit due to high target concentration
X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45025.07 (continued)
Sample Tag: B-5 (7.5-8)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,4-Trimethylbenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	95-63-6	Y
sec-Butylbenzene	900	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	135-98-8	Y
p-Isopropyltoluene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	99-87-6	Y
1,3-Dichlorobenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	95-50-1	Y
1,2,3-Trimethylbenzene	Not detected	ug/kg	600	8260B/5035	07/30/10 21:00	JGH	526-73-8	Y
n-Butylbenzene	2,600	ug/kg	300	8260B/5035	07/30/10 21:00	JGH	104-51-8	Y
Hexachloroethane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	67-72-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	120-82-1	Y
1,2,3-Trichlorobenzene	Not detected	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	87-61-6	Y
Naphthalene	2,000	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	91-20-3	Y
2-Methylnaphthalene	4,000	ug/kg	2,000	8260B/5035	07/30/10 21:00	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S45025.08
Sample Tag: B-6 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Lead	9.05	mg/kg	0.30	6020	07/30/10 13:56	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	1,900	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	71-43-2	Y
Toluene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	108-88-3	Y
Ethylbenzene	16,500	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	100-41-4	Y
p,m-Xylene	1,400	ug/kg	600	8260B/5035	07/30/10 21:19	JGH		Y
o-Xylene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	1,000	8260B/5035	07/30/10 21:19	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/kg	100	8260B/5035	07/30/10 21:19	JGH	106-93-4	MY
1,2-Dichloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	107-06-2	Y
n-Propylbenzene	6,300	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	103-65-1	Y
Isopropylbenzene	2,000	ug/kg	1,000	8260B/5035	07/30/10 21:19	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	6,900	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	300	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	800	ug/kg	300	8260B/5035	07/30/10 21:19	JGH	108-67-8	Y
Naphthalene	11,000	ug/kg	1,000	8260B/5035	07/30/10 21:19	JGH	91-20-3	Y
2-Methylnaphthalene	16,300	ug/kg	600	8260B/5035	07/30/10 21:19	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S45025.09
Sample Tag: B-7 (3-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Lead	7.37	mg/kg	0.30	6020	07/30/10 13:58	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	300	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	71-43-2	Y
Toluene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	108-88-3	Y
Ethylbenzene	9,600	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	500	8260B/5035	07/30/10 21:39	JGH		Y
o-Xylene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	1,000	8260B/5035	07/30/10 21:39	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/kg	100	8260B/5035	07/30/10 21:39	JGH	106-93-4	MY
1,2-Dichloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	107-06-2	Y
n-Propylbenzene	10,700	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	103-65-1	Y
Isopropylbenzene	2,000	ug/kg	1,000	8260B/5035	07/30/10 21:39	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	5,000	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 21:39	JGH	108-67-8	Y
Naphthalene	6,000	ug/kg	1,000	8260B/5035	07/30/10 21:39	JGH	91-20-3	Y
2-Methylnaphthalene	9,100	ug/kg	500	8260B/5035	07/30/10 21:39	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S45025.10
Sample Tag: B-8 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	07/27/10 10:48	ADB		
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:22	EMR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.24	mg/kg	0.20	6020	07/30/10 14:01	SLS	7440-43-9	
Chromium	5.66	mg/kg	0.05	6020	07/30/10 14:01	SLS	7440-47-3	
Lead	14.6	mg/kg	0.30	6020	07/30/10 14:01	SLS	7439-92-1	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	07/29/10 12:21	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 06:03	PL	90-12-0	

Lab Sample ID: S45025.10 (continued)
Sample Tag: B-8 (4-6)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/28/10 17:04	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	07/28/10 17:04	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/28/10 17:04	JGH	109-99-9	
Chloroform	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	07/28/10 17:04	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	07/28/10 17:04	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	56-23-5	
Benzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	140	8260B/5035	07/28/10 17:04	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	07/28/10 17:04	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	630-20-6	
Ethylbenzene	90	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH		
o-Xylene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	95-47-6	
Styrene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	75-25-2	

X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45025.10 (continued)
Sample Tag: B-8 (4-6)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	150	8260B/5035	07/28/10 17:04	JGH	79-34-5	X
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	96-18-4	
n-Propylbenzene	200	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	95-50-1	
1,2,3-Trimethylbenzene	200	ug/kg	100	8260B/5035	07/28/10 17:04	JGH	526-73-8	
n-Butylbenzene	90	ug/kg	70	8260B/5035	07/28/10 17:04	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:04	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:04	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	07/28/10 17:04	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	07/28/10 17:04	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	400	8260B/5035	07/28/10 17:04	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	07/28/10 17:04	JGH	91-57-6	

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45025.11
Sample Tag: Soil Duplicate
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	07/30/10 12:00	SLS		
PNA Extraction	Completed			3550B	07/28/10 22:34	EMR		
Inorganics								
Total Solids	79	%	1	Std M 2540 B	07/27/10 12:30	DJS		
Metals								
Cadmium	0.22	mg/kg	0.20	6020	07/30/10 14:50	SLS	7440-43-9	
Chromium	6.50	mg/kg	0.05	6020	07/30/10 14:50	SLS	7440-47-3	
Lead	10.0	mg/kg	0.30	6020	07/30/10 14:50	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	07/30/10 01:27	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	07/28/10 17:23	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/28/10 17:23	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	07/28/10 17:23	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	1,200	8260B/5035	07/28/10 17:23	JGH	107-13-1	X
2-Butanone (MEK)	Not detected	ug/kg	3,100	8260B/5035	07/28/10 17:23	JGH	78-93-3	X

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S45025.11 (continued)
Sample Tag: Soil Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	07/28/10 17:23	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	300	8260B/5035	07/28/10 17:23	JGH	75-09-2	X
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/28/10 17:23	JGH	109-99-9	
Chloroform	Not detected	ug/kg	310	8260B/5035	07/28/10 17:23	JGH	67-66-3	X
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	07/28/10 17:23	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	07/28/10 17:23	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	56-23-5	
Benzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	180	8260B/5035	07/28/10 17:23	JGH	78-87-5	X
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	770	8260B/5035	07/28/10 17:23	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	07/28/10 17:23	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	630-20-6	
Ethylbenzene	1,050	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	100-41-4	
p,m-Xylene	400	ug/kg	100	8260B/5035	07/28/10 17:23	JGH		
o-Xylene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	95-47-6	
Styrene	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	100-42-5	
Isopropylbenzene	1,700	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	96-18-4	
n-Propylbenzene	6,400	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	108-86-1	
1,3,5-Trimethylbenzene	400	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	110	8260B/5035	07/28/10 17:23	JGH	98-06-6	X
1,2,4-Trimethylbenzene	1,900	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	95-63-6	

X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45025.11 (continued)
Sample Tag: Soil Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
sec-Butylbenzene	1,510	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	95-50-1	
1,2,3-Trimethylbenzene	1,000	ug/kg	100	8260B/5035	07/28/10 17:23	JGH	526-73-8	
n-Butylbenzene	4,480	ug/kg	70	8260B/5035	07/28/10 17:23	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	07/28/10 17:23	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/28/10 17:23	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	07/28/10 17:23	JGH	87-61-6	
Naphthalene	4,200	ug/kg	500	8260B/5035	07/28/10 17:23	JGH	91-20-3	
2-Methylnaphthalene	3,200	ug/kg	500	8260B/5035	07/28/10 17:23	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.12
Sample Tag: B-1W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:02	SLS	7440-43-9	
Chromium	0.007	mg/L	0.005	200.8	07/30/10 13:02	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:02	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 15:35	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 15:26	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 15:26	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 15:26	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 15:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-01-4	

Lab Sample ID: S45025.12 (continued)
Sample Tag: B-1W

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 15:26	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 15:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 15:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 15:26	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	100-42-5	
Isopropylbenzene	7	ug/L	5	8260B	07/27/10 15:26	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	96-18-4	
n-Propylbenzene	14	ug/L	1	8260B	07/27/10 15:26	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	95-63-6	
sec-Butylbenzene	4	ug/L	1	8260B	07/27/10 15:26	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	95-50-1	

Lab Sample ID: S45025.12 (continued)
Sample Tag: B-1W

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:26	JGH	526-73-8	
n-Butylbenzene	1	ug/L	1	8260B	07/27/10 15:26	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 15:26	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.13
Sample Tag: B-4W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 15:44	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 15:44	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 15:44	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 15:44	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 15:44	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 15:44	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 15:44	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	100-41-4	

Lab Sample ID: S45025.13 (continued)
Sample Tag: B-4W

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 15:44	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 15:44	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 15:44	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.14
Sample Tag: B-5W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:25	SLS	7440-43-9	
Chromium	0.010	mg/L	0.005	200.8	07/30/10 13:25	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:25	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 15:58	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/28/10 15:55	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/28/10 15:55	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/28/10 15:55	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/28/10 15:55	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-01-4	

Lab Sample ID: S45025.14 (continued)
Sample Tag: B-5W

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-34-3	
cis-1,2-Dichloroethene	2	ug/L	1	8260B	07/28/10 15:55	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/28/10 15:55	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/28/10 15:55	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/28/10 15:55	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	56-23-5	
Benzene	1	ug/L	1	8260B	07/28/10 15:55	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	630-20-6	
Ethylbenzene	1	ug/L	1	8260B	07/28/10 15:55	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/28/10 15:55	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	95-50-1	

Lab Sample ID: S45025.14 (continued)
Sample Tag: B-5W

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/28/10 15:55	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/28/10 15:55	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.15
Sample Tag: Trip Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 16:20	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 16:20	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 16:20	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 16:20	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 16:20	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 16:20	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 16:20	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	100-41-4	

Lab Sample ID: S45025.15 (continued)
Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 16:20	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:20	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 16:20	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.16
Sample Tag: Methanol Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	07/30/10 16:26	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	07/30/10 16:26	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	07/30/10 16:26	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	800	8260B/5035	07/30/10 16:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	200	8260B/5035	07/30/10 16:26	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	07/30/10 16:26	JGH	109-99-9	
Chloroform	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	07/30/10 16:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	07/30/10 16:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	56-23-5	
Benzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	07/30/10 16:26	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	630-20-6	

M-Result reported to MDL not RDL

Lab Sample ID: S45025.16 (continued)
Sample Tag: Methanol Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Ethylbenzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH		
o-Xylene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	95-47-6	
Styrene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	07/30/10 16:26	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	50	8260B/5035	07/30/10 16:26	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	300	8260B/5035	07/30/10 16:26	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.17
Sample Tag: Field Blank
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:04	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	07/30/10 13:04	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:04	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 16:21	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 16:39	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 16:39	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 16:39	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 16:39	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-01-4	

Lab Sample ID: S45025.17 (continued)
Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 16:39	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 16:39	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 16:39	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 16:39	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	95-50-1	

Lab Sample ID: S45025.17 (continued)
Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 16:39	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 16:39	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.18
Sample Tag: MW-2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:24	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	5	ug/L	5	8260B	07/28/10 16:50	JGH	71-43-2	Y
Toluene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	108-88-3	Y
Ethylbenzene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH		Y
o-Xylene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	420	ug/L	30	8260B	07/28/10 16:50	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	106-93-4	Y
1,2-Dichloroethane	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	107-06-2	Y
n-Propylbenzene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	103-65-1	Y
Isopropylbenzene	Not detected	ug/L	30	8260B	07/28/10 16:50	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	5	8260B	07/28/10 16:50	JGH	108-67-8	Y
Naphthalene	Not detected	ug/L	30	8260B	07/28/10 16:50	JGH	91-20-3	Y
2-Methylnaphthalene	Not detected	ug/L	10	8260B	07/28/10 16:50	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S45025.19
Sample Tag: MW-4
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:26	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	71-43-2	
Toluene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	108-88-3	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	95-47-6	
tert-Methyl butyl ether (MTBE)	58	ug/L	5	8260B	07/27/10 17:22	JGH	1634-04-4	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	106-93-4	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	107-06-2	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	103-65-1	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 17:22	JGH	98-82-8	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	526-73-8	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:22	JGH	108-67-8	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 17:22	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	2	8260B	07/27/10 17:22	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.20
Sample Tag: MW-4D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:27	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	71-43-2	
Toluene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	108-88-3	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	95-47-6	
tert-Methyl butyl ether (MTBE)	12	ug/L	5	8260B	07/27/10 17:40	JGH	1634-04-4	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	106-93-4	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	107-06-2	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	103-65-1	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 17:40	JGH	98-82-8	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	526-73-8	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 17:40	JGH	108-67-8	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 17:40	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	2	8260B	07/27/10 17:40	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.21
Sample Tag: MW-5
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:29	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	71-43-2	Y
Toluene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	108-88-3	Y
Ethylbenzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH		Y
o-Xylene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	970	ug/L	50	8260B	07/28/10 17:08	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	106-93-4	Y
1,2-Dichloroethane	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	107-06-2	Y
n-Propylbenzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	103-65-1	Y
Isopropylbenzene	Not detected	ug/L	50	8260B	07/28/10 17:08	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	10	8260B	07/28/10 17:08	JGH	108-67-8	Y
Naphthalene	Not detected	ug/L	50	8260B	07/28/10 17:08	JGH	91-20-3	Y
2-Methylnaphthalene	Not detected	ug/L	20	8260B	07/28/10 17:08	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S45025.22
Sample Tag: MW-7
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:31	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	3,110	ug/L	20	8260B	07/27/10 20:24	JGH	71-43-2	Y
Toluene	20	ug/L	20	8260B	07/27/10 20:24	JGH	108-88-3	Y
Ethylbenzene	340	ug/L	20	8260B	07/27/10 20:24	JGH	100-41-4	Y
p,m-Xylene	70	ug/L	20	8260B	07/27/10 20:24	JGH		Y
o-Xylene	Not detected	ug/L	20	8260B	07/27/10 20:24	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	100	ug/L	100	8260B	07/27/10 20:24	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/L	20	8260B	07/27/10 20:24	JGH	106-93-4	Y
1,2-Dichloroethane	Not detected	ug/L	110	8260B	07/27/10 20:24	JGH	107-06-2	YX
n-Propylbenzene	30	ug/L	20	8260B	07/27/10 20:24	JGH	103-65-1	Y
Isopropylbenzene	Not detected	ug/L	100	8260B	07/27/10 20:24	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	20	ug/L	20	8260B	07/27/10 20:24	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	20	8260B	07/27/10 20:24	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	20	8260B	07/27/10 20:24	JGH	108-67-8	Y
Naphthalene	100	ug/L	100	8260B	07/27/10 20:24	JGH	91-20-3	Y
2-Methylnaphthalene	Not detected	ug/L	40	8260B	07/27/10 20:24	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45025.23
Sample Tag: MW-8
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:33	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	60	ug/L	10	8260B	07/28/10 17:27	JGH	71-43-2	Y
Toluene	Not detected	ug/L	10	8260B	07/28/10 17:27	JGH	108-88-3	Y
Ethylbenzene	180	ug/L	10	8260B	07/28/10 17:27	JGH	100-41-4	Y
p,m-Xylene	20	ug/L	10	8260B	07/28/10 17:27	JGH		Y
o-Xylene	Not detected	ug/L	10	8260B	07/28/10 17:27	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	120	8260B	07/28/10 17:27	JGH	1634-04-4	YX
1,2-Dibromoethane	Not detected	ug/L	10	8260B	07/28/10 17:27	JGH	106-93-4	Y
1,2-Dichloroethane	Not detected	ug/L	10	8260B	07/28/10 17:27	JGH	107-06-2	Y
n-Propylbenzene	270	ug/L	10	8260B	07/28/10 17:27	JGH	103-65-1	Y
Isopropylbenzene	Not detected	ug/L	50	8260B	07/28/10 17:27	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	110	ug/L	10	8260B	07/28/10 17:27	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	40	ug/L	10	8260B	07/28/10 17:27	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	50	ug/L	10	8260B	07/28/10 17:27	JGH	108-67-8	Y
Naphthalene	110	ug/L	50	8260B	07/28/10 17:27	JGH	91-20-3	Y
2-Methylnaphthalene	70	ug/L	20	8260B	07/28/10 17:27	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45025.24
Sample Tag: MW-9
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:41	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	71-43-2	
Toluene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	108-88-3	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	95-47-6	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 18:35	JGH	1634-04-4	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	106-93-4	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	107-06-2	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	103-65-1	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 18:35	JGH	98-82-8	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	526-73-8	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:35	JGH	108-67-8	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 18:35	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	2	8260B	07/27/10 18:35	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.25
Sample Tag: MW-9 MS
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	0.252	mg/L	0.003	200.8	07/29/10 17:43	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	55	ug/L	1	8260B	07/27/10 21:00	JGH	71-43-2	1
Toluene	54	ug/L	1	8260B	07/27/10 21:00	JGH	108-88-3	1
Ethylbenzene	57	ug/L	1	8260B	07/27/10 21:00	JGH	100-41-4	1
p,m-Xylene	112	ug/L	1	8260B	07/27/10 21:00	JGH		1
o-Xylene	59	ug/L	1	8260B	07/27/10 21:00	JGH	95-47-6	1
tert-Methyl butyl ether (MTBE)	61	ug/L	5	8260B	07/27/10 21:00	JGH	1634-04-4	1
1,2-Dibromoethane	54	ug/L	1	8260B	07/27/10 21:00	JGH	106-93-4	1
1,2-Dichloroethane	55	ug/L	1	8260B	07/27/10 21:00	JGH	107-06-2	1
n-Propylbenzene	59	ug/L	1	8260B	07/27/10 21:00	JGH	103-65-1	1
Isopropylbenzene	55	ug/L	5	8260B	07/27/10 21:00	JGH	98-82-8	1
1,2,3-Trimethylbenzene	55	ug/L	1	8260B	07/27/10 21:00	JGH	526-73-8	1
1,2,4-Trimethylbenzene	58	ug/L	1	8260B	07/27/10 21:00	JGH	95-63-6	1
1,3,5-Trimethylbenzene	56	ug/L	1	8260B	07/27/10 21:00	JGH	108-67-8	1
Naphthalene	49	ug/L	5	8260B	07/27/10 21:00	JGH	91-20-3	1
2-Methylnaphthalene	50	ug/L	2	8260B	07/27/10 21:00	JGH	91-57-6	1

1-Spiked at 50 ug/l

Analytical Laboratory Report

Lab Sample ID: S45025.26
Sample Tag: MW-9 MSD
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	0.248	mg/L	0.003	200.8	07/29/10 17:45	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	62	ug/L	1	8260B	07/27/10 21:18	JGH	71-43-2	1
Toluene	61	ug/L	1	8260B	07/27/10 21:18	JGH	108-88-3	1
Ethylbenzene	65	ug/L	1	8260B	07/27/10 21:18	JGH	100-41-4	1
p,m-Xylene	127	ug/L	1	8260B	07/27/10 21:18	JGH		1
o-Xylene	67	ug/L	1	8260B	07/27/10 21:18	JGH	95-47-6	1
tert-Methyl butyl ether (MTBE)	69	ug/L	5	8260B	07/27/10 21:18	JGH	1634-04-4	1
1,2-Dibromoethane	62	ug/L	1	8260B	07/27/10 21:18	JGH	106-93-4	1
1,2-Dichloroethane	63	ug/L	1	8260B	07/27/10 21:18	JGH	107-06-2	1
n-Propylbenzene	66	ug/L	1	8260B	07/27/10 21:18	JGH	103-65-1	1
Isopropylbenzene	62	ug/L	5	8260B	07/27/10 21:18	JGH	98-82-8	1
1,2,3-Trimethylbenzene	63	ug/L	1	8260B	07/27/10 21:18	JGH	526-73-8	1
1,2,4-Trimethylbenzene	66	ug/L	1	8260B	07/27/10 21:18	JGH	95-63-6	1
1,3,5-Trimethylbenzene	63	ug/L	1	8260B	07/27/10 21:18	JGH	108-67-8	1
Naphthalene	58	ug/L	5	8260B	07/27/10 21:18	JGH	91-20-3	1
2-Methylnaphthalene	61	ug/L	2	8260B	07/27/10 21:18	JGH	91-57-6	1

1-Spiked at 50 ug/l

Analytical Laboratory Report

Lab Sample ID: S45025.27
Sample Tag: MW-10
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:35	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	71-43-2	
Toluene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	108-88-3	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	95-47-6	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 18:53	JGH	1634-04-4	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	106-93-4	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	107-06-2	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	103-65-1	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 18:53	JGH	98-82-8	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	526-73-8	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 18:53	JGH	108-67-8	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 18:53	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	2	8260B	07/27/10 18:53	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.28
Sample Tag: MW-D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:37	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	71-43-2	
Toluene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	108-88-3	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	95-47-6	
tert-Methyl butyl ether (MTBE)	47	ug/L	5	8260B	07/27/10 19:11	JGH	1634-04-4	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	106-93-4	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	107-06-2	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	103-65-1	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 19:11	JGH	98-82-8	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	526-73-8	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:11	JGH	108-67-8	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 19:11	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	2	8260B	07/27/10 19:11	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.29
Sample Tag: Groundwater Dup #1
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/29/10 12:00	SLS		
Metals								
Lead	Not detected	mg/L	0.003	200.8	07/29/10 17:39	SLS	7439-92-1	
Organics - Volatiles								
Leaded/Unleaded Gas Range Volatiles								
Benzene	2,790	ug/L	20	8260B	07/27/10 20:42	JGH	71-43-2	Y
Toluene	20	ug/L	20	8260B	07/27/10 20:42	JGH	108-88-3	Y
Ethylbenzene	300	ug/L	20	8260B	07/27/10 20:42	JGH	100-41-4	Y
p,m-Xylene	70	ug/L	20	8260B	07/27/10 20:42	JGH		Y
o-Xylene	Not detected	ug/L	20	8260B	07/27/10 20:42	JGH	95-47-6	Y
tert-Methyl butyl ether (MTBE)	100	ug/L	100	8260B	07/27/10 20:42	JGH	1634-04-4	Y
1,2-Dibromoethane	Not detected	ug/L	20	8260B	07/27/10 20:42	JGH	106-93-4	Y
1,2-Dichloroethane	Not detected	ug/L	100	8260B	07/27/10 20:42	JGH	107-06-2	YX
n-Propylbenzene	20	ug/L	20	8260B	07/27/10 20:42	JGH	103-65-1	Y
Isopropylbenzene	Not detected	ug/L	100	8260B	07/27/10 20:42	JGH	98-82-8	Y
1,2,3-Trimethylbenzene	Not detected	ug/L	20	8260B	07/27/10 20:42	JGH	526-73-8	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	20	8260B	07/27/10 20:42	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	20	8260B	07/27/10 20:42	JGH	108-67-8	Y
Naphthalene	100	ug/L	100	8260B	07/27/10 20:42	JGH	91-20-3	Y
2-Methylnaphthalene	Not detected	ug/L	40	8260B	07/27/10 20:42	JGH	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45025.30
Sample Tag: GW Dup #2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:07	SLS	7440-43-9	
Chromium	0.011	mg/L	0.005	200.8	07/30/10 13:07	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:07	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 16:44	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 19:29	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 19:29	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 19:29	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 19:29	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-01-4	

Lab Sample ID: S45025.30 (continued)
Sample Tag: GW Dup #2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-34-3	
cis-1,2-Dichloroethene	2	ug/L	1	8260B	07/27/10 19:29	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 19:29	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 19:29	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 19:29	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	56-23-5	
Benzene	1	ug/L	1	8260B	07/27/10 19:29	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	630-20-6	
Ethylbenzene	1	ug/L	1	8260B	07/27/10 19:29	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 19:29	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	95-50-1	

Lab Sample ID: S45025.30 (continued)
Sample Tag: GW Dup #2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:29	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 19:29	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.31
Sample Tag: GW Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
1	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:09	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	07/30/10 13:09	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:09	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 17:08	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 19:47	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 19:47	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 19:47	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 19:47	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-01-4	

Lab Sample ID: S45025.31 (continued)
Sample Tag: GW Equipment

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 19:47	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 19:47	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 19:47	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 19:47	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	95-50-1	

Lab Sample ID: S45025.31 (continued)
Sample Tag: GW Equipment

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 19:47	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 19:47	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45025.32
Sample Tag: Soil Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR
2	1L Amber	None	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	07/30/10 12:00	SLS		
PNA Extraction	Completed			3510C	07/28/10 22:21	EMR		
Metals								
Cadmium	Not detected	mg/L	0.0005	200.8	07/30/10 13:12	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	07/30/10 13:12	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	07/30/10 13:12	SLS	7439-92-1	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/L	5	8270C	07/29/10 17:31	PL	90-12-0	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	07/27/10 20:06	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	07/27/10 20:06	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	07/27/10 20:06	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/27/10 20:06	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-01-4	

Lab Sample ID: S45025.32 (continued)
Sample Tag: Soil Equipment

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/27/10 20:06	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/27/10 20:06	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	07/27/10 20:06	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	07/27/10 20:06	JGH		
o-Xylene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	95-50-1	

Lab Sample ID: S45025.32 (continued)
Sample Tag: Soil Equipment

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/27/10 20:06	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/27/10 20:06	JGH	91-57-6	

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 3

042284

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	JEREMY FOX
COMPANY	AKT Peerless
ADDRESS	22725 Orchard Lake Road
CITY	FARMINGTON
STATE	MI
ZIP CODE	48336
PHONE NO.	(248) 615-1333
FAX NO.	(248) 615-1334
P.O. NO.	
E-MAIL ADDRESS	FoxJ@AKTPeerless.com
QUOTE NO.	

INVOICE TO

CONTACT NAME	X SAME
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
FAX NO.	
P.O. NO.	

PROJECT NO./NAME: 6588F-2-20

SAMPLER(S) - PLEASE PRINT/SIGN NAME: JEREMY FOX Jeremy Fox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Cd, Cr, Pb	PCBs	LEADED GAS + LEAD + MTBE						SPECIAL INSTRUCTIONS/NOTES
45025.01	7/23	—	B-1 (1-3)	S	2	1					1		X	X	X	X							
.02	7/23	—	B-2 (2-4)	S	2	1					1		X	X	X	X							
.03	7/23	—	B-3 (2-4)	S	2	1					1		X	X	X								
.04	7/23	—	B-4 (1-3)	S	2	1					1		X	X	X								
.05/.06	7/23	—	B-4 (1-3) MS/MSD	S	4	2					2		X	X	X								
.07	7/23	—	B-5 (7.5-8)	S	2	1					1		X	X	X								
.08	7/23	—	B-6 (4-6)	S	2	1					1						X						
.09	7/23	—	B-7 (3-4)	S	2	1					1						X						
.10	7/23	—	B-8 (4-6)	S	2	1					1		X	X	X	X							
.11	7/23	—	SOIL DUPLICATE	S	2	1					1		X	X	X								
.12	7/23	—	B-1W	GW	4	1	2	1					X	X	X								
.13	7/23	—	B-4W	GW	2		2						X										

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Jeremy Fox	DATE 7/24/10	TIME 3:15	RELINQUISHED BY: SIGNATURE/ORGANIZATION	Faiaz Ellerbee	DATE 07/26/10	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	Faiaz Ellerbee	DATE 7/24/10	TIME 3:15	RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ruhe	DATE 7/27/10	TIME 8:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.9
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

042285

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Fox
COMPANY: AKT Peerless
ADDRESS: 22725 Orchard Lake Road
CITY: Farmington | STATE: MI | ZIP CODE: 48336
PHONE NO.: (248) 615-1333 | FAX NO.: (248) 615-1334 | P.O. NO.:
E-MAIL ADDRESS: Foxj@AKTPeerless.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | X SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: 65886-2-20
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Dave Isabell
TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER
DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Cd, Cr, Pb	LEADED LEAD + LEAD + MTBE
45025.14	7/23/10	—	B-SW	GW	4	1	2	1					X	X	X	
.15	7/23	—	Trip Blank	L	1		1						X			
.16	7/23	—	Methanol Blank	L	1						1		X			
.17	7/23	—	Field Blank	L	4	1	2	1					X	X	X	
.18	7/23	—	MW-2	GW	3		2	1								X
.19	7/23	—	MW-4	GW	3		2	1								X
.20	7/23	—	MW-4D	GW	3		2	1								X
.21	7/23	—	MW-5	GW	3		2	1								X
.22	7/23	—	MW-7	GW	3		2	1								X
.23	7/23	—	MW-8	GW	3		2	1								X
.24	7/23	—	MW-9	GW	3		2	1								X
.25 | .26	7/23	—	MW-9 MS/MSD	GW	6		4	2								X

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Jeremy Fox	DATE: 7/23/10	TIME: 5:55	RELINQUISHED BY: SIGNATURE/ORGANIZATION: Isaiah Meerschaert	DATE: 07/26/10	TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Isaiah Meerschaert	DATE: 7/23/10	TIME: 5:55	RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Ruhed	DATE: 7/29/10	TIME: 8:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 3

56472

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Fox
COMPANY: AKT Peerless
ADDRESS: 27725 Orchard Lake Road
CITY: Farmington | STATE: MI | ZIP CODE: 48336
PHONE NO.: (248) 615-1333 | FAX NO.: (248) 615-1334 | P.O. NO.:
E-MAIL ADDRESS: Fox@AKTPeerless.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | ☐ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: 6588f-2-20
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Jeremy Fox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	DNMs	Cd Cr Pb	RCRA	LEADED GAS + LEAD + MTBE
45025.27	7/23	—	MW-10	GW	3		2	1									X
.28	7/23	—	MW-D	GW	3		2	1									X
.29	7/23	—	Ground Water Dip #1	GW	3		2	1									X
.30	7/23	—	GW Dip #2	GW	4	1	2	1					X	X	X		
.31	7/23	—	GW Equipment	GW	4	1	2	1					X	X	X		
.32	7/23		Soil Equipment	GW	4	1	2	1					X	X	X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Jeremy Fox	7/26/10	3:15
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	7/26/10	3:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	07/26/10	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	7/27/10	8:00

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.9
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Quality Control Report

Report ID: QC-S45025.01(01)
Generated on 08/06/2010

Report to

Attention: Jeremy Fox
AKT Peerless Environmental
22725 Orchard Lake Rd.
Farmington, MI 48336

Phone: 248-615-1333 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S45025.01-S45025.32
Project: 6588F-2-20
Submitted Date/Time: 07/27/2010 08:00
Sampled by: Jeremy Fox
P.O. #:

Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-33)
Prep Batch Summary (Pages 34-37)
Surrogates per Lab Sample (Pages 38-67)
Surrogates per QC Sample (Pages 68-76)
Batch QC Results (Pages 77-99)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

QC Report - Analysis Summary

Lab Sample ID: S45025.01
Sample Tag: B-1 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 13:45	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 13:45	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 13:45	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - PCBs/Pesticides						
PCB List	8082	07/29/10 12:32	F100729	PA100727S02	Yes	LCS/BLK/LCSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 06:26	T100729B	SP100728S01	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 14:12	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.02
Sample Tag: B-2 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 13:48	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 13:48	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 13:48	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - PCBs/Pesticides						
PCB List	8082	07/28/10 14:48	F100728	PA100727S02	Yes	LCS/BLK/LCSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 04:54	T100729B	SP100728S01	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 14:32	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.03
Sample Tag: B-3 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 13:51	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 13:51	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 13:51	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 05:17	T100729B	SP100728S01	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 14:52	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.04
Sample Tag: B-4 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 14:16	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 14:16	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 14:16	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 00:18	T100729B	SP100728S02	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 15:12	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.05
Sample Tag: B-4 (1-3) MS
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 14:06	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 14:06	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 14:06	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 00:41	T100729B	SP100728S02	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 15:52	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.06
Sample Tag: B-4 (1-3) MSD
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 14:08	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 14:08	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 14:08	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 01:04	T100729B	SP100728S02	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/27/10 16:12	100727A5	VF100727S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.07
Sample Tag: B-5 (7.5-8)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 13:53	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 13:53	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 13:53	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 05:40	T100729B	SP100728S01	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/30/10 21:00	100730A5	VF100730S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.08
Sample Tag: B-6 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Lead	6020	07/30/10 13:56	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B/5035	07/30/10 21:19	100730A5	VF100730S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.09
Sample Tag: B-7 (3-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Lead	6020	07/30/10 13:58	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B/5035	07/30/10 21:39	100730A5	VF100730S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.10
Sample Tag: B-8 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 14:01	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 14:01	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 14:01	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - PCBs/Pesticides						
PCB List	8082	07/29/10 12:21	F100729	PA100727S02	Yes	LCS/BLK/LCSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 06:03	T100729B	SP100728S01	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/28/10 17:04	100728B6	VF100728S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.11
Sample Tag: Soil Duplicate
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Total Solids	Std M 2540 B	07/27/10 12:30	TS100727	TS100727	No	BLK/LCS/DUP
Metals						
Cadmium	6020	07/30/10 14:50	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Chromium	6020	07/30/10 14:50	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Lead	6020	07/30/10 14:50	MT-10-0730A	MTD-073010-2	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatics	8270C	07/30/10 01:27	T100729B	SP100728S02	Yes	LCS/BLK/MS/MSD
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/28/10 17:23	100728B6	VF100728S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.12
Sample Tag: B-1W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:02	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:02	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:02	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 15:35	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 15:26	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.13
Sample Tag: B-4W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 15:44	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.14
Sample Tag: B-5W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:25	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:25	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:25	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 15:58	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/28/10 15:55	100728A3	VF100728W3	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.15
Sample Tag: Trip Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 16:20	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.16
Sample Tag: Methanol Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
Volatile Organics 5035	8260B/5035	07/30/10 16:26	100730A5	VF100730S1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.17
Sample Tag: Field Blank
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:04	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:04	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:04	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 16:21	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 16:39	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.18
Sample Tag: MW-2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:24	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 16:50	100728A3	VF100728W3	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.19
Sample Tag: MW-4
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:26	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 17:22	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.20
Sample Tag: MW-4D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:27	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 17:40	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.21
Sample Tag: MW-5
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:29	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 17:08	100728A3	VF100728W3	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.22
Sample Tag: MW-7
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:31	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 20:24	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.23
Sample Tag: MW-8
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:33	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 17:27	100728A3	VF100728W3	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S45025.24
Sample Tag: MW-9
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:41	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 18:35	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.25
Sample Tag: MW-9 MS
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:43	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 21:00	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.26
Sample Tag: MW-9 MSD
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:45	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 21:18	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.27
Sample Tag: MW-10
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:35	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 18:53	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.28
Sample Tag: MW-D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:37	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 19:11	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.29
Sample Tag: Groundwater Dup #1
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Lead	200.8	07/29/10 17:39	MT-10-0729A	MTD-072910-4	No	LCS/BLK/MS/MSD
Organics - Volatiles						
Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 20:42	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.30
Sample Tag: GW Dup #2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:07	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:07	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:07	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 16:44	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 19:29	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.31
Sample Tag: GW Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:09	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:09	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:09	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 17:08	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 19:47	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Analysis Summary

Lab Sample ID: S45025.32
Sample Tag: Soil Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Cadmium	200.8	07/30/10 13:12	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Chromium	200.8	07/30/10 13:12	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Lead	200.8	07/30/10 13:12	MT-10-0730A	MTD-073010-1	No	LCS/BLK/MS/MSD
Organics - Semi-Volatiles						
Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 17:31	T100729	SP100728W01	Yes	LCS/BLK/LCSD
Organics - Volatiles						
Volatile Organics - DEQ List	8260B	07/27/10 20:06	100727A3	VF100727W1	Yes	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: TS100727

Surrogates: No, QC Types: BLK/LCS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.01	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.02	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.03	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.04	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.05	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.06	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.07	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.08	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.09	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.10	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727
S45025.11	Total Solids	Std M 2540 B	07/27/10 12:30	TS100727

Metals, Prep Batch ID: MTD-072910-4

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.18	Lead	200.8	07/29/10 17:24	MT-10-0729A
S45025.19	Lead	200.8	07/29/10 17:26	MT-10-0729A
S45025.20	Lead	200.8	07/29/10 17:27	MT-10-0729A
S45025.21	Lead	200.8	07/29/10 17:29	MT-10-0729A
S45025.22	Lead	200.8	07/29/10 17:31	MT-10-0729A
S45025.23	Lead	200.8	07/29/10 17:33	MT-10-0729A
S45025.24	Lead	200.8	07/29/10 17:41	MT-10-0729A
S45025.25	Lead	200.8	07/29/10 17:43	MT-10-0729A
S45025.26	Lead	200.8	07/29/10 17:45	MT-10-0729A
S45025.27	Lead	200.8	07/29/10 17:35	MT-10-0729A
S45025.28	Lead	200.8	07/29/10 17:37	MT-10-0729A
S45025.29	Lead	200.8	07/29/10 17:39	MT-10-0729A

Metals, Prep Batch ID: MTD-073010-1

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.12	Cadmium	200.8	07/30/10 13:02	MT-10-0730A
S45025.12	Chromium	200.8	07/30/10 13:02	MT-10-0730A
S45025.12	Lead	200.8	07/30/10 13:02	MT-10-0730A
S45025.14	Cadmium	200.8	07/30/10 13:25	MT-10-0730A
S45025.14	Chromium	200.8	07/30/10 13:25	MT-10-0730A
S45025.14	Lead	200.8	07/30/10 13:25	MT-10-0730A
S45025.17	Cadmium	200.8	07/30/10 13:04	MT-10-0730A
S45025.17	Chromium	200.8	07/30/10 13:04	MT-10-0730A
S45025.17	Lead	200.8	07/30/10 13:04	MT-10-0730A
S45025.30	Cadmium	200.8	07/30/10 13:07	MT-10-0730A
S45025.30	Chromium	200.8	07/30/10 13:07	MT-10-0730A
S45025.30	Lead	200.8	07/30/10 13:07	MT-10-0730A
S45025.31	Cadmium	200.8	07/30/10 13:09	MT-10-0730A
S45025.31	Chromium	200.8	07/30/10 13:09	MT-10-0730A
S45025.31	Lead	200.8	07/30/10 13:09	MT-10-0730A
S45025.32	Cadmium	200.8	07/30/10 13:12	MT-10-0730A
S45025.32	Chromium	200.8	07/30/10 13:12	MT-10-0730A
S45025.32	Lead	200.8	07/30/10 13:12	MT-10-0730A

Metals, Prep Batch ID: MTD-073010-2

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.01	Cadmium	6020	07/30/10 13:45	MT-10-0730A
S45025.01	Chromium	6020	07/30/10 13:45	MT-10-0730A
S45025.01	Lead	6020	07/30/10 13:45	MT-10-0730A
S45025.02	Cadmium	6020	07/30/10 13:48	MT-10-0730A
S45025.02	Chromium	6020	07/30/10 13:48	MT-10-0730A
S45025.02	Lead	6020	07/30/10 13:48	MT-10-0730A
S45025.03	Cadmium	6020	07/30/10 13:51	MT-10-0730A
S45025.03	Chromium	6020	07/30/10 13:51	MT-10-0730A
S45025.03	Lead	6020	07/30/10 13:51	MT-10-0730A
S45025.04	Cadmium	6020	07/30/10 14:16	MT-10-0730A
S45025.04	Chromium	6020	07/30/10 14:16	MT-10-0730A
S45025.04	Lead	6020	07/30/10 14:16	MT-10-0730A
S45025.05	Cadmium	6020	07/30/10 14:06	MT-10-0730A
S45025.05	Chromium	6020	07/30/10 14:06	MT-10-0730A
S45025.05	Lead	6020	07/30/10 14:06	MT-10-0730A
S45025.06	Cadmium	6020	07/30/10 14:08	MT-10-0730A
S45025.06	Chromium	6020	07/30/10 14:08	MT-10-0730A
S45025.06	Lead	6020	07/30/10 14:08	MT-10-0730A
S45025.07	Cadmium	6020	07/30/10 13:53	MT-10-0730A
S45025.07	Chromium	6020	07/30/10 13:53	MT-10-0730A
S45025.07	Lead	6020	07/30/10 13:53	MT-10-0730A
S45025.08	Lead	6020	07/30/10 13:56	MT-10-0730A
S45025.09	Lead	6020	07/30/10 13:58	MT-10-0730A
S45025.10	Cadmium	6020	07/30/10 14:01	MT-10-0730A
S45025.10	Chromium	6020	07/30/10 14:01	MT-10-0730A
S45025.10	Lead	6020	07/30/10 14:01	MT-10-0730A
S45025.11	Cadmium	6020	07/30/10 14:50	MT-10-0730A
S45025.11	Chromium	6020	07/30/10 14:50	MT-10-0730A
S45025.11	Lead	6020	07/30/10 14:50	MT-10-0730A

Organics - PCBs/Pesticides, Prep Batch ID: PA100727S02

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.01	PCB List	8082	07/29/10 12:32	F100729
S45025.02	PCB List	8082	07/28/10 14:48	F100728
S45025.10	PCB List	8082	07/29/10 12:21	F100729

Organics - Semi-Volatiles, Prep Batch ID: SP100728S01

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.01	Polynuclear Aromatics	8270C	07/30/10 06:26	T100729B
S45025.02	Polynuclear Aromatics	8270C	07/30/10 04:54	T100729B
S45025.03	Polynuclear Aromatics	8270C	07/30/10 05:17	T100729B
S45025.07	Polynuclear Aromatics	8270C	07/30/10 05:40	T100729B
S45025.10	Polynuclear Aromatics	8270C	07/30/10 06:03	T100729B

Organics - Semi-Volatiles, Prep Batch ID: SP100728S02

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.04	Polynuclear Aromatics	8270C	07/30/10 00:18	T100729B
S45025.05	Polynuclear Aromatics	8270C	07/30/10 00:41	T100729B
S45025.06	Polynuclear Aromatics	8270C	07/30/10 01:04	T100729B
S45025.11	Polynuclear Aromatics	8270C	07/30/10 01:27	T100729B

Organics - Semi-Volatiles, Prep Batch ID: SP100728W01

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.12	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 15:35	T100729
S45025.14	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 15:58	T100729
S45025.17	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 16:21	T100729
S45025.30	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 16:44	T100729
S45025.31	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 17:08	T100729
S45025.32	Polynuclear Aromatic Hydrocarbon	8270C	07/29/10 17:31	T100729

Organics - Volatiles, Prep Batch ID: VF100727S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.01	Volatile Organics 5035	8260B/5035	07/27/10 14:12	100727A5
S45025.02	Volatile Organics 5035	8260B/5035	07/27/10 14:32	100727A5
S45025.03	Volatile Organics 5035	8260B/5035	07/27/10 14:52	100727A5
S45025.04	Volatile Organics 5035	8260B/5035	07/27/10 15:12	100727A5
S45025.05	Volatile Organics 5035	8260B/5035	07/27/10 15:52	100727A5
S45025.06	Volatile Organics 5035	8260B/5035	07/27/10 16:12	100727A5

Organics - Volatiles, Prep Batch ID: VF100727W1

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.12	Volatile Organics - DEQ List	8260B	07/27/10 15:26	100727A3
S45025.13	Volatile Organics - DEQ List	8260B	07/27/10 15:44	100727A3
S45025.15	Volatile Organics - DEQ List	8260B	07/27/10 16:20	100727A3
S45025.17	Volatile Organics - DEQ List	8260B	07/27/10 16:39	100727A3
S45025.19	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 17:22	100727A3
S45025.20	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 17:40	100727A3
S45025.22	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 20:24	100727A3
S45025.24	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 18:35	100727A3
S45025.25	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 21:00	100727A3
S45025.26	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 21:18	100727A3
S45025.27	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 18:53	100727A3
S45025.28	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 19:11	100727A3
S45025.29	Leaded/Unleaded Gas Range Volatiles	8260B	07/27/10 20:42	100727A3
S45025.30	Volatile Organics - DEQ List	8260B	07/27/10 19:29	100727A3
S45025.31	Volatile Organics - DEQ List	8260B	07/27/10 19:47	100727A3
S45025.32	Volatile Organics - DEQ List	8260B	07/27/10 20:06	100727A3

Organics - Volatiles, Prep Batch ID: VF100728S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.10	Volatile Organics 5035	8260B/5035	07/28/10 17:04	100728B6

Organics - Volatiles, Prep Batch ID: VF100728S1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.11	Volatile Organics 5035	8260B/5035	07/28/10 17:23	100728B6

Organics - Volatiles, Prep Batch ID: VF100728W3

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.14	Volatile Organics - DEQ List	8260B	07/28/10 15:55	100728A3
S45025.18	Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 16:50	100728A3
S45025.21	Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 17:08	100728A3
S45025.23	Leaded/Unleaded Gas Range Volatiles	8260B	07/28/10 17:27	100728A3

Organics - Volatiles, Prep Batch ID: VF100730S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S45025.07	Volatile Organics 5035	8260B/5035	07/30/10 21:00	100730A5
S45025.08	Leaded/Unleaded Gas Range Volatiles	8260B/5035	07/30/10 21:19	100730A5
S45025.09	Leaded/Unleaded Gas Range Volatiles	8260B/5035	07/30/10 21:39	100730A5
S45025.16	Volatile Organics 5035	8260B/5035	07/30/10 16:26	100730A5

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.01
Sample Tag: B-1 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 06:26, Matrix: SO, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**62.10**	10.0	115.0
Nitrobenzene-D5		**60.20**	18.5	120.0
Terphenyl-D14		**67.40**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100727A5, Run Date: 07/27/2010 14:12, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**100.90**	59.0	122.8
1,2-Dichloroethane-D4		**100.80**	70.0	136.3
Toluene-D8		**102.90**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.02
Sample Tag: B-2 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - PCBs/Pesticides, Analysis: PCB List

Run in Batch: F100728, Run Date: 07/28/2010 14:48, Matrix: SO, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
TCX		**103.10**	33.0	135.3
DCB2		**132.00**	30.0	137.0

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics

Run in Batch: T100729B, Run Date: 07/30/2010 04:54, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**53.10**	10.0	115.0
Nitrobenzene-D5		**58.00**	18.5	120.0
Terphenyl-D14		**65.90**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035

Run in Batch: 100727A5, Run Date: 07/27/2010 14:32, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**105.10**	59.0	122.8
1,2-Dichloroethane-D4		**98.30**	70.0	136.3
Toluene-D8		**102.10**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.03
Sample Tag: B-3 (2-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 05:17, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**51.80**	10.0	115.0
Nitrobenzene-D5		**50.90**	18.5	120.0
Terphenyl-D14		**60.90**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100727A5, Run Date: 07/27/2010 14:52, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.90**	59.0	122.8
1,2-Dichloroethane-D4		**98.50**	70.0	136.3
Toluene-D8		**102.80**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.04
Sample Tag: B-4 (1-3)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 00:18, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**62.60**	10.0	115.0
Nitrobenzene-D5		**61.60**	18.5	120.0
Terphenyl-D14		**67.20**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100727A5, Run Date: 07/27/2010 15:12, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.10**	59.0	122.8
1,2-Dichloroethane-D4		**98.60**	70.0	136.3
Toluene-D8		**101.80**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.05
Sample Tag: B-4 (1-3) MS
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100727A5, Run Date: 07/27/2010 15:52, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**104.10**	59.0	122.8
1,2-Dichloroethane-D4		**102.30**	70.0	136.3
Toluene-D8		**101.80**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.06
Sample Tag: B-4 (1-3) MSD
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100727A5, Run Date: 07/27/2010 16:12, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**103.80**	59.0	122.8
1,2-Dichloroethane-D4		**100.70**	70.0	136.3
Toluene-D8		**102.20**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.07
Sample Tag: B-5 (7.5-8)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 05:40, Matrix: SO, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**59.00**	10.0	115.0
Nitrobenzene-D5		**74.60**	18.5	120.0
Terphenyl-D14		**70.90**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100730A5, Run Date: 07/30/2010 21:00, Matrix: SO, Dilution: 200

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**106.00**	59.0	122.8
1,2-Dichloroethane-D4		**102.10**	70.0	136.3
Toluene-D8		**103.90**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.08
Sample Tag: B-6 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100730A5, Run Date: 07/30/2010 21:19, Matrix: SO, Dilution: 200

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.50**	59.0	122.8
1,2-Dichloroethane-D4		**100.90**	70.0	136.3
Toluene-D8		**103.80**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.09
Sample Tag: B-7 (3-4)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100730A5, Run Date: 07/30/2010 21:39, Matrix: SO, Dilution: 200

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**106.70**	59.0	122.8
1,2-Dichloroethane-D4		**99.30**	70.0	136.3
Toluene-D8		**104.20**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.10
Sample Tag: B-8 (4-6)
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 06:03, Matrix: SO, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**66.50**	10.0	115.0
Nitrobenzene-D5		**62.50**	18.5	120.0
Terphenyl-D14		**76.70**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100728B6, Run Date: 07/28/2010 17:04, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**109.50**	59.0	122.8
1,2-Dichloroethane-D4		**107.60**	70.0	136.3
Toluene-D8		**107.10**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.11
Sample Tag: Soil Duplicate
Collected Date/Time: 07/23/2010
Matrix: Soil
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatics
Run in Batch: T100729B, Run Date: 07/30/2010 01:27, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**65.90**	10.0	115.0
Nitrobenzene-D5		**71.10**	18.5	120.0
Terphenyl-D14		**72.30**	10.3	137.0

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100728B6, Run Date: 07/28/2010 17:23, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**111.00**	59.0	122.8
1,2-Dichloroethane-D4		**102.50**	70.0	136.3
Toluene-D8		**111.40**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.12
Sample Tag: B-1W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 15:35, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**76.00**	10.0	116.0
Nitrobenzene-D5		**72.30**	10.0	114.0
Terphenyl-D14		**72.10**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 15:26, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.30**	78.4	119.6
1,2-Dichloroethane-D4		**106.30**	66.4	124.8
Toluene-D8		**102.30**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.13
Sample Tag: B-4W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042284

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 15:44, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**100.90**	78.4	119.6
1,2-Dichloroethane-D4		**100.50**	66.4	124.8
Toluene-D8		**101.20**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.14
Sample Tag: B-5W
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 15:58, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**74.50**	10.0	116.0
Nitrobenzene-D5		**69.10**	10.0	114.0
Terphenyl-D14		**71.90**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100728A3, Run Date: 07/28/2010 15:55, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**98.30**	78.4	119.6
1,2-Dichloroethane-D4		**104.10**	66.4	124.8
Toluene-D8		**95.10**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.15
Sample Tag: Trip Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 16:20, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**92.10**	78.4	119.6
1,2-Dichloroethane-D4		**75.20**	66.4	124.8
Toluene-D8		**96.80**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.16
Sample Tag: Methanol Blank
Collected Date/Time: 07/23/2010
Matrix: Liquid
COC Reference: 042285

Organics - Volatiles, Analysis: Volatile Organics 5035
Run in Batch: 100730A5, Run Date: 07/30/2010 16:26, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**104.70**	59.0	122.8
1,2-Dichloroethane-D4		**100.80**	70.0	136.3
Toluene-D8		**102.90**	84.0	138.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.17
Sample Tag: Field Blank
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 16:21, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**59.00**	10.0	116.0
Nitrobenzene-D5		**56.20**	10.0	114.0
Terphenyl-D14		**58.30**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 16:39, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.90**	78.4	119.6
1,2-Dichloroethane-D4		**107.50**	66.4	124.8
Toluene-D8		**101.40**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.18
Sample Tag: MW-2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100728A3, Run Date: 07/28/2010 16:50, Matrix: WW, Dilution: 5

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**96.50**	78.4	119.6
1,2-Dichloroethane-D4		**106.80**	66.4	124.8
Toluene-D8		**95.90**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.19
Sample Tag: MW-4
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 17:22, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**102.20**	78.4	119.6
1,2-Dichloroethane-D4		**106.80**	66.4	124.8
Toluene-D8		**101.80**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.20
Sample Tag: MW-4D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 17:40, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**103.20**	78.4	119.6
1,2-Dichloroethane-D4		**106.60**	66.4	124.8
Toluene-D8		**100.90**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.21
Sample Tag: MW-5
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100728A3, Run Date: 07/28/2010 17:08, Matrix: WW, Dilution: 10

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**96.60**	78.4	119.6
1,2-Dichloroethane-D4		**108.30**	66.4	124.8
Toluene-D8		**95.40**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.22
Sample Tag: MW-7
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 20:24, Matrix: WW, Dilution: 20

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**102.80**	78.4	119.6
1,2-Dichloroethane-D4		**109.70**	66.4	124.8
Toluene-D8		**103.60**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.23
Sample Tag: MW-8
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100728A3, Run Date: 07/28/2010 17:27, Matrix: WW, Dilution: 10

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**94.10**	78.4	119.6
1,2-Dichloroethane-D4		**106.40**	66.4	124.8
Toluene-D8		**96.70**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.24
Sample Tag: MW-9
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 042285

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 18:35, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**104.10**	78.4	119.6
1,2-Dichloroethane-D4		**102.00**	66.4	124.8
Toluene-D8		**100.10**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.27
Sample Tag: MW-10
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 18:53, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.60**	78.4	119.6
1,2-Dichloroethane-D4		**106.20**	66.4	124.8
Toluene-D8		**101.90**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.28
Sample Tag: MW-D
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 19:11, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**104.40**	78.4	119.6
1,2-Dichloroethane-D4		**107.10**	66.4	124.8
Toluene-D8		**101.50**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.29
Sample Tag: Groundwater Dup #1
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Volatiles, Analysis: Leaded/Unleaded Gas Range Volatiles
Run in Batch: 100727A3, Run Date: 07/27/2010 20:42, Matrix: WW, Dilution: 20

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**103.80**	78.4	119.6
1,2-Dichloroethane-D4		**110.70**	66.4	124.8
Toluene-D8		**103.80**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.30
Sample Tag: GW Dup #2
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 16:44, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**59.40**	10.0	116.0
Nitrobenzene-D5		**54.70**	10.0	114.0
Terphenyl-D14		**54.70**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 19:29, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**103.00**	78.4	119.6
1,2-Dichloroethane-D4		**108.20**	66.4	124.8
Toluene-D8		**103.80**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.31
Sample Tag: GW Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 17:08, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**70.10**	10.0	116.0
Nitrobenzene-D5		**69.00**	10.0	114.0
Terphenyl-D14		**65.90**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 19:47, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.70**	78.4	119.6
1,2-Dichloroethane-D4		**107.40**	66.4	124.8
Toluene-D8		**101.90**	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S45025.32
Sample Tag: Soil Equipment
Collected Date/Time: 07/23/2010
Matrix: Groundwater
COC Reference: 56472

Organics - Semi-Volatiles, Analysis: Polynuclear Aromatic Hydrocarbon
Run in Batch: T100729, Run Date: 07/29/2010 17:31, Matrix: WW, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**66.00**	10.0	116.0
Nitrobenzene-D5		**61.30**	10.0	114.0
Terphenyl-D14		**59.50**	10.0	141.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 100727A3, Run Date: 07/27/2010 20:06, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**101.60**	78.4	119.6
1,2-Dichloroethane-D4		**109.70**	66.4	124.8
Toluene-D8		**102.10**	82.5	118.4

QC Report - Surrogates per QC Sample

Organics - PCBs/Pesticides, Prep Batch ID: PA100727S02

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: f10072819.slcs-s.01

Run in Batch: F100728, Run Date: 07/28/2010 15:09, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
TCX		**93.90**	33.0	135.3
DCB2		**99.00**	30.0	137.0

Blank (BLK)

Lab Sample ID: f10072818.sblk-s.01

Run in Batch: F100728, Run Date: 07/28/2010 14:58, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
TCX		**89.10**	33.0	135.3
DCB2		**111.80**	30.0	137.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: f10072820.slcs-s.01d, Parent Sample ID: f10072819.slcs-s.01

Run in Batch: F100728, Run Date: 07/28/2010 15:21, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
TCX		**97.40**	33.0	135.3
DCB2		**97.70**	30.0	137.0

QC Report - Surrogates per QC Sample

Organics - Semi-Volatiles, Prep Batch ID: SP100728S01

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100728b.lcss28a

Run in Batch: T100728B, Run Date: 07/29/2010 00:23, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**79.50**	10.0	115.0
Nitrobenzene-D5		**78.30**	18.5	120.0
Terphenyl-D14		**79.20**	10.3	137.0

Blank (BLK)

Lab Sample ID: t100728b.blks28a

Run in Batch: T100728B, Run Date: 07/29/2010 00:00, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**79.70**	10.0	115.0
Nitrobenzene-D5		**77.80**	18.5	120.0
Terphenyl-D14		**82.20**	10.3	137.0

Matrix Spike (MS)

Lab Sample ID: t100728b.4500228m, Parent Sample ID: S45002.01

Run in Batch: T100728B, Run Date: 07/29/2010 06:11, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**66.10**	10.0	115.0
Nitrobenzene-D5		**66.40**	18.5	120.0
Terphenyl-D14		**74.40**	10.3	137.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: t100728b.4500229n, Parent Sample ID: t100728b.4500228m

Run in Batch: T100728B, Run Date: 07/29/2010 06:34, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**74.60**	10.0	115.0
Nitrobenzene-D5		**73.80**	18.5	120.0
Terphenyl-D14		**79.00**	10.3	137.0

QC Report - Surrogates per QC Sample

Organics - Semi-Volatiles, Prep Batch ID: SP100728S02

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100729b.lcss29a

Run in Batch: T100729B, Run Date: 07/29/2010 23:55, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**69.60**	10.0	115.0
Nitrobenzene-D5		**66.50**	18.5	120.0
Terphenyl-D14		**70.70**	10.3	137.0

Blank (BLK)

Lab Sample ID: t100729b.blks29a

Run in Batch: T100729B, Run Date: 07/29/2010 23:32, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**70.70**	10.0	115.0
Nitrobenzene-D5		**65.40**	18.5	120.0
Terphenyl-D14		**74.50**	10.3	137.0

Matrix Spike (MS)

Lab Sample ID: t100729b.4502505m, Parent Sample ID: S45025.04

Run in Batch: T100729B, Run Date: 07/30/2010 00:41, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**24.30**	10.0	115.0
Nitrobenzene-D5		**21.70**	18.5	120.0
Terphenyl-D14		**60.50**	10.3	137.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: t100729b.4502506n, Parent Sample ID: t100729b.4502505m

Run in Batch: T100729B, Run Date: 07/30/2010 01:04, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**72.40**	10.0	115.0
Nitrobenzene-D5		**73.40**	18.5	120.0
Terphenyl-D14		**70.60**	10.3	137.0

QC Report - Surrogates per QC Sample

Organics - Semi-Volatiles, Prep Batch ID: SP100728W01

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100729.lcsw29a

Run in Batch: T100729, Run Date: 07/29/2010 14:02, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**70.50**	10.0	116.0
Nitrobenzene-D5		**70.30**	10.0	114.0
Terphenyl-D14		**65.00**	10.0	141.0

Blank (BLK)

Lab Sample ID: t100729.blkw29a

Run in Batch: T100729, Run Date: 07/29/2010 13:16, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**64.00**	10.0	116.0
Nitrobenzene-D5		**64.00**	10.0	114.0
Terphenyl-D14		**58.80**	10.0	141.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: t100729.lcsdw29a, Parent Sample ID: t100729.lcsw29a

Run in Batch: T100729, Run Date: 07/29/2010 14:25, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorobiphenyl		**80.50**	10.0	116.0
Nitrobenzene-D5		**80.80**	10.0	114.0
Terphenyl-D14		**74.60**	10.0	141.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF100727S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100727a5.lcss27a

Run in Batch: 100727A5, Run Date: 07/27/2010 12:11, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**101.60**	59.0	122.8
1,2-Dichloroethane-D4		**101.70**	70.0	136.3
Toluene-D8		**103.20**	84.0	138.0

Blank (BLK)

Lab Sample ID: 100727a5.blks27a

Run in Batch: 100727A5, Run Date: 07/27/2010 13:51, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**101.60**	59.0	122.8
1,2-Dichloroethane-D4		**100.60**	70.0	136.3
Toluene-D8		**102.00**	84.0	138.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100727a5.lcss27b, Parent Sample ID: 100727a5.lcss27a

Run in Batch: 100727A5, Run Date: 07/27/2010 12:31, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**103.40**	59.0	122.8
1,2-Dichloroethane-D4		**99.90**	70.0	136.3
Toluene-D8		**102.70**	84.0	138.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF100727W1

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100727a3.lcsw27b

Run in Batch: 100727A3, Run Date: 07/27/2010 13:19, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.90**	78.4	119.6
1,2-Dichloroethane-D4		**95.00**	66.4	124.8
Toluene-D8		**100.40**	82.5	118.4

Blank (BLK)

Lab Sample ID: 100727a3.blkw27a

Run in Batch: 100727A3, Run Date: 07/27/2010 14:31, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**100.40**	78.4	119.6
1,2-Dichloroethane-D4		**94.10**	66.4	124.8
Toluene-D8		**100.00**	82.5	118.4

Matrix Spike (MS)

Lab Sample ID: 100727a3.4502525m, Parent Sample ID: S45025.24

Run in Batch: 100727A3, Run Date: 07/27/2010 21:00, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**106.10**	78.4	119.6
1,2-Dichloroethane-D4		**109.80**	66.4	124.8
Toluene-D8		**103.90**	82.5	118.4

Matrix Spike Duplicate (MSD)

Lab Sample ID: 100727a3.4502526n, Parent Sample ID: 100727a3.4502525m

Run in Batch: 100727A3, Run Date: 07/27/2010 21:18, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**105.60**	78.4	119.6
1,2-Dichloroethane-D4		**110.20**	66.4	124.8
Toluene-D8		**102.80**	82.5	118.4

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF100728S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100728b6.lcss28a

Run in Batch: 100728B6, Run Date: 07/28/2010 15:14, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**106.20**	59.0	122.8
1,2-Dichloroethane-D4		**98.60**	70.0	136.3
Toluene-D8		**99.80**	84.0	138.0

Blank (BLK)

Lab Sample ID: 100728b6.blks28a

Run in Batch: 100728B6, Run Date: 07/28/2010 16:46, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**98.70**	59.0	122.8
1,2-Dichloroethane-D4		**101.30**	70.0	136.3
Toluene-D8		**99.20**	84.0	138.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100728b6.lcss28b, Parent Sample ID: 100728b6.lcss28a

Run in Batch: 100728B6, Run Date: 07/28/2010 15:32, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.70**	59.0	122.8
1,2-Dichloroethane-D4		**100.00**	70.0	136.3
Toluene-D8		**100.50**	84.0	138.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF100728W3

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100728a3.lcsw28c

Run in Batch: 100728A3, Run Date: 07/28/2010 19:16, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**91.60**	78.4	119.6
1,2-Dichloroethane-D4		**84.80**	66.4	124.8
Toluene-D8		**93.90**	82.5	118.4

Blank (BLK)

Lab Sample ID: 100728a3.blkt28a

Run in Batch: 100728A3, Run Date: 07/28/2010 15:00, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**96.40**	78.4	119.6
1,2-Dichloroethane-D4		**100.90**	66.4	124.8
Toluene-D8		**95.00**	82.5	118.4

Blank (BLK)

Lab Sample ID: 100728a3.blkw28a

Run in Batch: 100728A3, Run Date: 07/28/2010 14:42, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**95.20**	78.4	119.6
1,2-Dichloroethane-D4		**100.30**	66.4	124.8
Toluene-D8		**94.50**	82.5	118.4

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100728a3.lcsw28d, Parent Sample ID: 100728a3.lcsw28c

Run in Batch: 100728A3, Run Date: 07/28/2010 19:34, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**97.60**	78.4	119.6
1,2-Dichloroethane-D4		**105.00**	66.4	124.8
Toluene-D8		**95.40**	82.5	118.4

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF100730S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100730a5.lcss30a

Run in Batch: 100730A5, Run Date: 07/30/2010 12:59, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.00**	59.0	122.8
1,2-Dichloroethane-D4		**101.00**	70.0	136.3
Toluene-D8		**103.30**	84.0	138.0

Blank (BLK)

Lab Sample ID: 100730a5.blks30a

Run in Batch: 100730A5, Run Date: 07/30/2010 14:38, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**106.60**	59.0	122.8
1,2-Dichloroethane-D4		**99.00**	70.0	136.3
Toluene-D8		**102.50**	84.0	138.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100730a5.lcss30b, Parent Sample ID: 100730a5.lcss30a

Run in Batch: 100730A5, Run Date: 07/30/2010 13:19, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.60**	59.0	122.8
1,2-Dichloroethane-D4		**99.90**	70.0	136.3
Toluene-D8		**103.20**	84.0	138.0

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TS100727

Surrogates: No, QC Types: BLK/LCS/DUP

Blank (BLK)

Lab Sample ID: TS100727.LRB1

Run in Batch: TS100727, Run Date: 07/27/2010 12:30, Prep Date: 07/27/2010, Matrix: Soil, Dilution: 1

Analyte	Flags	**Conc**	RDL	Units
Total Solids		**ND**	1	%

Laboratory Control Sample (LCS)

Lab Sample ID: TS100727.LCS1

Run in Batch: TS100727, Run Date: 07/27/2010 12:30, Prep Date: 07/27/2010, Matrix: Soil, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Solids		**100**	90	110

Duplicate (DUP)

Lab Sample ID: TS100727.DP1, Parent Sample ID: S45025.11

Run in Batch: TS100727, Run Date: 07/27/2010 12:30, Prep Date: 07/27/2010, Matrix: Soil, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Solids		**3**	15

Duplicate (DUP)

Lab Sample ID: TS100727.DP2, Parent Sample ID: S45026.08

Run in Batch: TS100727, Run Date: 07/27/2010 12:30, Prep Date: 07/27/2010, Matrix: Soil, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Solids		**1**	15

Metals, Prep Batch ID: MTD-072910-4

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: MT-10-0729A.010.LCS

Run in Batch: MT-10-0729A, Run Date: 07/29/2010 17:10, Prep Date: 07/29/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Lead		**100**	85	115

Blank (BLK)

Lab Sample ID: MT-10-0729A.014.LRB

Run in Batch: MT-10-0729A, Run Date: 07/29/2010 17:18, Prep Date: 07/29/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	**Conc**	RDL	Units
Lead		**ND**	0.002	mg/L

Matrix Spike (MS)

Lab Sample ID: MT-10-0729A.027.MS, Parent Sample ID: S45025.24

Run in Batch: MT-10-0729A, Run Date: 07/29/2010 17:43, Prep Date: 07/29/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	**% Rec**	LCL	UCL
Lead		**101**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT-10-0729A.028.MSD, Parent Sample ID: MT-10-0729A.027.MS

Run in Batch: MT-10-0729A, Run Date: 07/29/2010 17:45, Prep Date: 07/29/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Lead		**99**	75	125	**2**	20

Metals, Prep Batch ID: MTD-073010-1

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: MT-10-0730A.010.LCS

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 12:44, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Cadmium		**101**	85	115
Chromium		**98**	85	115
Lead		**100**	85	115

Blank (BLK)

Lab Sample ID: MT-10-0730A.014.LRB

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 12:54, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	**Conc**	RDL	Units
Cadmium		**ND**	0.0005	mg/L
Chromium		**ND**	0.005	mg/L
Lead		**ND**	0.002	mg/L

Matrix Spike (MS)

Lab Sample ID: MT-10-0730A.027.MS, Parent Sample ID: S45025.14

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 13:27, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	**% Rec**	LCL	UCL
Cadmium		**103**	75	125
Chromium		**100**	75	125
Lead		**99**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT-10-0730A.028.MSD, Parent Sample ID: MT-10-0730A.027.MS

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 13:30, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Cadmium		**103**	75	125	**0**	20
Chromium		**96**	75	125	**4**	20
Lead		**98**	75	125	**1**	20

Metals, Prep Batch ID: MTD-073010-2

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: MT-10-0730A.031.LCS

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 13:38, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Cadmium		**101**	85	115
Chromium		**98**	85	115
Lead		**100**	85	115

Blank (BLK)

Lab Sample ID: MT-10-0730A.032.LRB

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 13:40, Prep Date: 07/30/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Cadmium		**ND**	0.0005	mg/L
Chromium		**ND**	0.005	mg/L
Lead		**ND**	0.002	mg/L

Matrix Spike (MS)

Lab Sample ID: MT-10-0730A.042.MS, Parent Sample ID: S45025.04

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 14:06, Prep Date: 07/30/2010, Matrix: Soil, Dilution: 246

Analyte	Flags	% Rec	LCL	UCL
Cadmium		**102**	75	125
Chromium		**109**	75	125
Lead	*	**-202**	75	125

Matrix Spike (MS)

Lab Sample ID: MT-10-0730A.044.MS, Parent Sample ID: S45025.04

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 14:19, Prep Date: 07/30/2010, Matrix: Soil, Dilution: 256

Analyte	Flags	% Rec	LCL	UCL
Lead		**108**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT-10-0730A.043.MSD, Parent Sample ID: MT-10-0730A.042.MS

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 14:08, Prep Date: 07/30/2010, Matrix: Soil, Dilution: 228

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Cadmium		**95**	75	125	**7**	20
Chromium		**89**	75	125	**16**	20
Lead	*	**16**	75	125	**92**	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT-10-0730A.045.MSD, Parent Sample ID: MT-10-0730A.044.MS

Run in Batch: MT-10-0730A, Run Date: 07/30/2010 14:21, Prep Date: 07/30/2010, Matrix: Soil, Dilution: 256

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Lead		**108**	75	125	**0**	20

Organics - PCBs/Pesticides, Prep Batch ID: PA100727S02

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: f10072819.slcs-s.01

Run in Batch: F100728, Run Date: 07/28/2010 15:09, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
PCB-1016/1260		**97.20**	52.9	123.4

Blank (BLK)

Lab Sample ID: f10072818.sblk-s.01

Run in Batch: F100728, Run Date: 07/28/2010 14:58, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Analyte	Flags	**Conc**	RDL	Units
PCB-1016		**ND**	5.00	ug/kg
PCB-1242		**ND**	5.00	ug/kg
PCB-1221		**ND**	5.00	ug/kg
PCB-1232		**ND**	5.00	ug/kg
PCB-1248		**ND**	5.00	ug/kg
PCB-1254		**ND**	5.00	ug/kg
PCB-1260		**ND**	5.00	ug/kg

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: f10072820.slcs-s.01d, Parent Sample ID: f10072819.slcs-s.01

Run in Batch: F100728, Run Date: 07/28/2010 15:21, Prep Date: 07/27/2010, Matrix: SO, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
PCB-1016/1260		**98.90**	52.9	123.4	**1.7**	20.0

Organics - Semi-Volatiles, Prep Batch ID: SP100728S01

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100728b.lcss28a

Run in Batch: T100728B, Run Date: 07/29/2010 00:23, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		**86.84**	10.0	121.0
Benzo(a)pyrene		**99.70**	10.0	140.8
Fluoranthene		**85.38**	10.0	145.8
Naphthalene		**81.32**	10.0	110.0
Pyrene		**93.62**	10.0	135.8

Blank (BLK)

Lab Sample ID: t100728b.blks28a

Run in Batch: T100728B, Run Date: 07/29/2010 00:00, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Analyte	Flags	Conc	RDL	Units
Acenaphthene		**ND**	70	ug/kg
Acenaphthylene		**ND**	70	ug/kg
Anthracene		**ND**	70	ug/kg
Benzo(a)anthracene		**ND**	70	ug/kg
Benzo(a)pyrene		**ND**	70	ug/kg
Benzo(b)fluoranthene		**ND**	70	ug/kg
Benzo(k)fluoranthene		**ND**	70	ug/kg
Benzo(ghi)perylene		**ND**	70	ug/kg
Chrysene		**ND**	70	ug/kg
Dibenzo(ah)anthracene		**ND**	70	ug/kg
Fluoranthene		**ND**	70	ug/kg
Fluorene		**ND**	70	ug/kg
Indeno(1,2,3-cd)pyrene		**ND**	70	ug/kg
Naphthalene		**ND**	70	ug/kg
Phenanthrene		**ND**	70	ug/kg
Pyrene		**ND**	70	ug/kg
2-Methylnaphthalene		**ND**	70	ug/kg
1-Methylnaphthalene		**ND**	70	ug/kg

Matrix Spike (MS)

Lab Sample ID: t100728b.4500228m, Parent Sample ID: S45002.01

Run in Batch: T100728B, Run Date: 07/29/2010 06:11, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		**80.12**	10.0	121.0
Benzo(a)pyrene		**92.22**	10.0	140.8
Fluoranthene		**80.76**	10.0	145.8
Naphthalene		**71.28**	10.0	110.0
Pyrene		**87.38**	10.0	135.8

Matrix Spike Duplicate (MSD)

Lab Sample ID: t100728b.4500229n, Parent Sample ID: t100728b.4500228m

Run in Batch: T100728B, Run Date: 07/29/2010 06:34, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Acenaphthene		**81.10**	10.0	121.0	**1.2**	20.0
Benzo(a)pyrene		**90.06**	10.0	140.8	**2.4**	20.0
Fluoranthene		**80.52**	10.0	145.8	**0.3**	20.0

Organics - Semi-Volatiles, Prep Batch ID: SP100728S01 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: t100728b.4500229n, Parent Sample ID: t100728b.4500228m

Run in Batch: T100728B, Run Date: 07/29/2010 06:34, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Naphthalene		**74.36**	10.0	110.0	**4.2**	20.0
Pyrene		**85.80**	10.0	135.8	**1.8**	20.0

Organics - Semi-Volatiles, Prep Batch ID: SP100728S02

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100729b.lcss29a

Run in Batch: T100729B, Run Date: 07/29/2010 23:55, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		**74.04**	10.0	121.0
Benzo(a)pyrene		**83.62**	10.0	140.8
Fluoranthene		**74.14**	10.0	145.8
Naphthalene		**66.08**	10.0	110.0
Pyrene		**79.38**	10.0	135.8

Blank (BLK)

Lab Sample ID: t100729b.blks29a

Run in Batch: T100729B, Run Date: 07/29/2010 23:32, Prep Date: 07/28/2010, Matrix: SO, Dilution: 2

Analyte	Flags	Conc	RDL	Units
Acenaphthene		**ND**	70	ug/kg
Acenaphthylene		**ND**	70	ug/kg
Anthracene		**ND**	70	ug/kg
Benzo(a)anthracene		**ND**	70	ug/kg
Benzo(a)pyrene		**ND**	70	ug/kg
Benzo(b)fluoranthene		**ND**	70	ug/kg
Benzo(k)fluoranthene		**ND**	70	ug/kg
Benzo(ghi)perylene		**ND**	70	ug/kg
Chrysene		**ND**	70	ug/kg
Dibenzo(ah)anthracene		**ND**	70	ug/kg
Fluoranthene		**ND**	70	ug/kg
Fluorene		**ND**	70	ug/kg
Indeno(1,2,3-cd)pyrene		**ND**	70	ug/kg
Naphthalene		**ND**	70	ug/kg
Phenanthrene		**ND**	70	ug/kg
Pyrene		**ND**	70	ug/kg
2-Methylnaphthalene		**ND**	70	ug/kg
1-Methylnaphthalene		**ND**	70	ug/kg

Matrix Spike (MS)

Lab Sample ID: t100729b.4502505m, Parent Sample ID: S45025.04

Run in Batch: T100729B, Run Date: 07/30/2010 00:41, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		**32.66**	10.0	121.0
Benzo(a)pyrene		**67.74**	10.0	140.8
Fluoranthene		**59.34**	10.0	145.8
Naphthalene		**20.36**	10.0	110.0
Pyrene		**64.50**	10.0	135.8

Matrix Spike Duplicate (MSD)

Lab Sample ID: t100729b.4502506n, Parent Sample ID: t100729b.4502505m

Run in Batch: T100729B, Run Date: 07/30/2010 01:04, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Acenaphthene	*	**77.60**	10.0	121.0	**81.5**	20.0
Benzo(a)pyrene	*	**85.54**	10.0	140.8	**23.2**	20.0
Fluoranthene	*	**77.04**	10.0	145.8	**26.0**	20.0

Organics - Semi-Volatiles, Prep Batch ID: SP100728S02 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: t100729b.4502506n, Parent Sample ID: t100729b.4502505m

Run in Batch: T100729B, Run Date: 07/30/2010 01:04, Prep Date: 07/28/2010, Matrix: SO, Dilution: 6

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Naphthalene	*	**72.82**	10.0	110.0	**112.6**	20.0
Pyrene	*	**88.28**	10.0	135.8	**31.1**	20.0

Organics - Semi-Volatiles, Prep Batch ID: SP100728W01

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: t100729.lcsw29a

Run in Batch: T100729, Run Date: 07/29/2010 14:02, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		**72.88**	23.4	114.1
Benzo(a)pyrene		**85.24**	14.4	142.5
Fluoranthene		**69.86**	29.3	135.3
Naphthalene		**69.30**	22.1	110.0
Pyrene		**82.18**	32.1	126.8

Blank (BLK)

Lab Sample ID: t100729.blkw29a

Run in Batch: T100729, Run Date: 07/29/2010 13:16, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Analyte	Flags	Conc	RDL	Units
Acenaphthene		**ND**	1	ug/l
Acenaphthylene		**ND**	1	ug/l
Anthracene		**ND**	1	ug/l
Benzo(a)anthracene		**ND**	1	ug/l
Benzo(a)pyrene		**ND**	1	ug/l
Benzo(b)fluoranthene		**ND**	1	ug/l
Benzo(k)fluoranthene		**ND**	1	ug/l
Benzo(ghi)perylene		**ND**	1	ug/l
Chrysene		**ND**	1	ug/l
Dibenzo(ah)anthracene		**ND**	1	ug/l
Fluoranthene		**ND**	1	ug/l
Fluorene		**ND**	1	ug/l
Indeno(1,2,3-cd)pyrene		**ND**	1	ug/l
Naphthalene		**ND**	1	ug/l
Phenanthrene		**ND**	1	ug/l
Pyrene		**ND**	1	ug/l
2-Methylnaphthalene		**ND**	1	ug/l
1-Methylnaphthalene		**ND**	1	ug/l

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: t100729.lcsdw29a, Parent Sample ID: t100729.lcsw29a

Run in Batch: T100729, Run Date: 07/29/2010 14:25, Prep Date: 07/28/2010, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Acenaphthene		**83.32**	23.4	114.1	**13.4**	20.0
Benzo(a)pyrene		**96.36**	14.4	142.5	**12.2**	20.0
Fluoranthene		**79.20**	29.3	135.3	**12.5**	20.0
Naphthalene		**80.70**	22.1	110.0	**15.2**	20.0
Pyrene		**90.88**	32.1	126.8	**10.1**	20.0

Organics - Volatiles, Prep Batch ID: VF100727S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100727a5.lcss27a

Run in Batch: 100727A5, Run Date: 07/27/2010 12:11, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Analyte	Flags	% Rec	LCL	UCL
Benzene		**95.54**	66.0	142.0
Chlorobenzene		**94.70**	60.0	133.0
1,1-Dichloroethene		**88.00**	59.0	172.0
Trichloroethene		**94.74**	62.0	137.0
Toluene		**91.62**	59.0	139.0

Blank (BLK)

Lab Sample ID: 100727a5.blks27a

Run in Batch: 100727A5, Run Date: 07/27/2010 13:51, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Analyte	Flags	Conc	RDL	Units
Diethyl ether		**ND**	50	ug/kg
Acetone		**ND**	500	ug/kg
Methyl iodide		**ND**	50	ug/kg
Carbon disulfide		**ND**	50	ug/kg
tert-Methyl butyl ether (MTBE)		**ND**	50	ug/kg
Acrylonitrile		**ND**	50	ug/kg
2-Butanone (MEK)		**ND**	500	ug/kg
Dichlorodifluoromethane		**ND**	50	ug/kg
Chloromethane		**ND**	50	ug/kg
Vinyl chloride		**ND**	50	ug/kg
Bromomethane		**ND**	50	ug/kg
Chloroethane		**ND**	50	ug/kg
Trichlorofluoromethane		**ND**	50	ug/kg
1,1-Dichloroethene		**ND**	50	ug/kg
Methylene chloride		**ND**	50	ug/kg
trans-1,2-Dichloroethene		**ND**	50	ug/kg
1,1-Dichloroethane		**ND**	50	ug/kg
cis-1,2-Dichloroethene		**ND**	50	ug/kg
Tetrahydrofuran	*	**85.5**	500	ug/kg
Chloroform		**ND**	50	ug/kg
Bromochloromethane		**ND**	50	ug/kg
1,1,1-Trichloroethane		**ND**	50	ug/kg
4-Methyl-2-pentanone (MIBK)		**ND**	50	ug/kg
2-Hexanone		**ND**	50	ug/kg
Carbon tetrachloride		**ND**	50	ug/kg
Benzene		**ND**	50	ug/kg
1,2-Dichloroethane		**ND**	50	ug/kg
Trichloroethene		**ND**	50	ug/kg
1,2-Dichloropropane		**ND**	50	ug/kg
Bromodichloromethane		**ND**	50	ug/kg
Dibromomethane		**ND**	50	ug/kg
cis-1,3-Dichloropropene		**ND**	50	ug/kg
Toluene		**ND**	50	ug/kg
trans-1,3-Dichloropropene		**ND**	50	ug/kg
1,1,2-Trichloroethane		**ND**	50	ug/kg
Tetrachloroethene		**ND**	50	ug/kg

Organics - Volatiles, Prep Batch ID: VF100727S1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100727a5.blks27a

Run in Batch: 100727A5, Run Date: 07/27/2010 13:51, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**Conc**	RDL	Units
trans-1,4-Dichloro-2-butene		**ND**	50	ug/kg
Dibromochloromethane		**ND**	50	ug/kg
1,2-Dibromoethane		**ND**	50	ug/kg
Chlorobenzene		**ND**	50	ug/kg
1,1,1,2-Tetrachloroethane		**ND**	50	ug/kg
Ethylbenzene		**ND**	50	ug/kg
p,m-Xylene		**ND**	50	ug/kg
o-Xylene		**ND**	50	ug/kg
Styrene		**ND**	50	ug/kg
Isopropylbenzene		**ND**	50	ug/kg
Bromoform		**ND**	50	ug/kg
1,1,2,2-Tetrachloroethane		**ND**	50	ug/kg
1,2,3-Trichloropropane		**ND**	50	ug/kg
n-Propylbenzene		**ND**	50	ug/kg
Bromobenzene		**ND**	50	ug/kg
1,3,5-Trimethylbenzene		**ND**	50	ug/kg
tert-Butylbenzene		**ND**	50	ug/kg
1,2,4-Trimethylbenzene		**ND**	50	ug/kg
sec-Butylbenzene		**ND**	50	ug/kg
p-Isopropyltoluene		**ND**	50	ug/kg
1,3-Dichlorobenzene		**ND**	50	ug/kg
1,4-Dichlorobenzene		**ND**	50	ug/kg
1,2-Dichlorobenzene		**ND**	50	ug/kg
1,2,3-Trimethylbenzene		**ND**	50	ug/kg
n-Butylbenzene		**ND**	50	ug/kg
Hexachloroethane		**ND**	50	ug/kg
1,2-Dibromo-3-chloropropane		**ND**	50	ug/kg
1,2,4-Trichlorobenzene		**ND**	50	ug/kg
1,2,3-Trichlorobenzene		**ND**	50	ug/kg
Naphthalene		**ND**	50	ug/kg
2-Methylnaphthalene		**ND**	50	ug/kg

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100727a5.lcss27b, Parent Sample ID: 100727a5.lcss27a

Run in Batch: 100727A5, Run Date: 07/27/2010 12:31, Prep Date: 07/27/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Benzene		**87.66**	66.0	142.0	**8.6**	20.0
Chlorobenzene		**87.16**	60.0	133.0	**8.3**	20.0
1,1-Dichloroethene		**78.50**	59.0	172.0	**11.4**	20.0
Trichloroethene		**86.46**	62.0	137.0	**9.1**	20.0
Toluene		**83.98**	59.0	139.0	**8.7**	20.0

Organics - Volatiles, Prep Batch ID: VF100727W1

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100727a3.lcsw27b

Run in Batch: 100727A3, Run Date: 07/27/2010 13:19, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Benzene		**108.40**	73.7	127.0
Chlorobenzene		**108.02**	75.0	130.0
1,1-Dichloroethene		**115.76**	59.9	145.0
Trichloroethene		**108.66**	71.0	121.2
Toluene		**107.32**	71.4	127.6

Blank (BLK)

Lab Sample ID: 100727a3.blkw27a

Run in Batch: 100727A3, Run Date: 07/27/2010 14:31, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Acetone		**ND**	10	ug/l
Acrylonitrile		**ND**	10	ug/l
2-Butanone (MEK)		**ND**	10	ug/l
Benzene		**ND**	1	ug/l
n-Butylbenzene		**ND**	1	ug/l
Bromobenzene		**ND**	1	ug/l
Bromochloromethane		**ND**	1	ug/l
Bromodichloromethane		**ND**	1	ug/l
Bromoform		**ND**	1	ug/l
Bromomethane		**ND**	1	ug/l
sec-Butylbenzene		**ND**	1	ug/l
tert-Butylbenzene		**ND**	1	ug/l
Carbon disulfide		**ND**	1	ug/l
Carbon tetrachloride		**ND**	1	ug/l
Chlorobenzene		**ND**	1	ug/l
Chloroethane		**ND**	1	ug/l
Chloroform		**ND**	1	ug/l
Chloromethane		**ND**	1	ug/l
1,1-Dichloroethane		**ND**	1	ug/l
1,1-Dichloroethene		**ND**	1	ug/l
1,2-Dibromo-3-chloropropane		**ND**	1	ug/l
1,2-Dibromoethane		**ND**	1	ug/l
1,2-Dichlorobenzene		**ND**	1	ug/l
1,2-Dichloroethane		**ND**	1	ug/l
1,2-Dichloropropane		**ND**	1	ug/l
1,3-Dichlorobenzene		**ND**	1	ug/l
1,4-Dichlorobenzene		**ND**	1	ug/l
cis-1,2-Dichloroethene		**ND**	1	ug/l
cis-1,3-Dichloropropene		**ND**	1	ug/l
Dibromochloromethane		**ND**	1	ug/l
Dibromomethane		**ND**	1	ug/l
Dichlorodifluoromethane		**ND**	1	ug/l
Diethyl ether		**ND**	1	ug/l
trans-1,2-Dichloroethene		**ND**	1	ug/l
trans-1,3-Dichloropropene		**ND**	1	ug/l
trans-1,4-Dichloro-2-butene		**ND**	1	ug/l

Organics - Volatiles, Prep Batch ID: VF100727W1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Blank (BLK) (continued)

Lab Sample ID: 100727a3.blkw27a

Run in Batch: 100727A3, Run Date: 07/27/2010 14:31, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Ethylbenzene		**ND**	1	ug/l
2-Hexanone		**ND**	10	ug/l
Hexachloroethane		**ND**	1	ug/l
p-Isopropyltoluene		**ND**	1	ug/l
Isopropylbenzene		**ND**	1	ug/l
2-Methylnaphthalene		**ND**	1	ug/l
4-Methyl-2-pentanone (MIBK)		**ND**	10	ug/l
tert-Methyl butyl ether (MTBE)		**ND**	1	ug/l
Methyl iodide		**ND**	1	ug/l
Methylene chloride		**ND**	1	ug/l
Naphthalene		**ND**	1	ug/l
n-Propylbenzene		**ND**	1	ug/l
Styrene		**ND**	1	ug/l
1,1,1,2-Tetrachloroethane		**ND**	1	ug/l
1,1,1-Trichloroethane		**ND**	1	ug/l
1,1,2,2-Tetrachloroethane		**ND**	1	ug/l
1,1,2-Trichloroethane		**ND**	1	ug/l
1,2,3-Trichlorobenzene		**ND**	1	ug/l
1,2,3-Trichloropropane		**ND**	1	ug/l
1,2,3-Trimethylbenzene		**ND**	1	ug/l
1,2,4-Trichlorobenzene		**ND**	1	ug/l
1,2,4-Trimethylbenzene		**ND**	1	ug/l
1,3,5-Trimethylbenzene		**ND**	1	ug/l
Tetrachloroethene		**ND**	1	ug/l
Tetrahydrofuran	*	**2.9**	10	ug/l
Toluene		**ND**	1	ug/l
Trichloroethene		**ND**	1	ug/l
Trichlorofluoromethane		**ND**	1	ug/l
Vinyl chloride		**ND**	1	ug/l
o-Xylene		**ND**	1	ug/l
p,m-Xylene		**ND**	1	ug/l

Matrix Spike (MS)

Lab Sample ID: 100727a3.4502525m, Parent Sample ID: S45025.24

Run in Batch: 100727A3, Run Date: 07/27/2010 21:00, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Benzene		**110.20**	73.7	127.0
Chlorobenzene		**106.72**	75.0	130.0
1,1-Dichloroethene		**114.02**	59.9	145.0
Trichloroethene		**106.74**	71.0	121.2
Toluene		**108.62**	71.4	127.6

Organics - Volatiles, Prep Batch ID: VF100727W1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Matrix Spike Duplicate (MSD)

Lab Sample ID: 100727a3.4502526n, Parent Sample ID: 100727a3.4502525m

Run in Batch: 100727A3, Run Date: 07/27/2010 21:18, Prep Date: 07/27/2010, Matrix: WW, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Benzene		**124.00**	73.7	127.0	**11.8**	20.0
Chlorobenzene		**121.24**	75.0	130.0	**12.7**	20.0
1,1-Dichloroethene		**126.60**	59.9	145.0	**10.5**	20.0
Trichloroethene		**121.04**	71.0	121.2	**12.6**	20.0
Toluene		**122.50**	71.4	127.6	**12.0**	20.0

Organics - Volatiles, Prep Batch ID: VF100728S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100728b6.lcss28a

Run in Batch: 100728B6, Run Date: 07/28/2010 15:14, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Analyte	Flags	% Rec	LCL	UCL
Benzene		**98.94**	66.0	142.0
Chlorobenzene		**101.12**	60.0	133.0
1,1-Dichloroethene		**93.36**	59.0	172.0
Trichloroethene		**96.66**	62.0	137.0
Toluene		**98.44**	59.0	139.0

Blank (BLK)

Lab Sample ID: 100728b6.blks28a

Run in Batch: 100728B6, Run Date: 07/28/2010 16:46, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Analyte	Flags	Conc	RDL	Units
Diethyl ether		**ND**	50	ug/kg
Acetone		**ND**	50	ug/kg
Methyl iodide		**ND**	50	ug/kg
Carbon disulfide		**ND**	50	ug/kg
tert-Methyl butyl ether (MTBE)		**ND**	50	ug/kg
Acrylonitrile		**ND**	50	ug/kg
2-Butanone (MEK)		**ND**	500	ug/kg
Dichlorodifluoromethane		**ND**	50	ug/kg
Chloromethane		**ND**	50	ug/kg
Vinyl chloride		**ND**	50	ug/kg
Bromomethane		**ND**	50	ug/kg
Chloroethane		**ND**	50	ug/kg
Trichlorofluoromethane		**ND**	50	ug/kg
1,1-Dichloroethene		**ND**	50	ug/kg
Methylene chloride		**ND**	50	ug/kg
trans-1,2-Dichloroethene		**ND**	50	ug/kg
1,1-Dichloroethane		**ND**	50	ug/kg
cis-1,2-Dichloroethene		**ND**	50	ug/kg
Tetrahydrofuran	*	**129.0**	50	ug/kg
Chloroform		**ND**	50	ug/kg
Bromochloromethane		**ND**	50	ug/kg
1,1,1-Trichloroethane		**ND**	50	ug/kg
4-Methyl-2-pentanone (MIBK)		**ND**	50	ug/kg
2-Hexanone		**ND**	50	ug/kg
Carbon tetrachloride		**ND**	50	ug/kg
Benzene		**ND**	50	ug/kg
1,2-Dichloroethane		**ND**	50	ug/kg
Trichloroethene		**ND**	50	ug/kg
1,2-Dichloropropane		**ND**	50	ug/kg
Bromodichloromethane		**ND**	50	ug/kg
Dibromomethane		**ND**	50	ug/kg
cis-1,3-Dichloropropene		**ND**	50	ug/kg
Toluene		**ND**	50	ug/kg
trans-1,3-Dichloropropene		**ND**	50	ug/kg
1,1,2-Trichloroethane		**ND**	50	ug/kg
Tetrachloroethene		**ND**	50	ug/kg

Organics - Volatiles, Prep Batch ID: VF100728S1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100728b6.blks28a

Run in Batch: 100728B6, Run Date: 07/28/2010 16:46, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**Conc**	RDL	Units
trans-1,4-Dichloro-2-butene		**ND**	50	ug/kg
Dibromochloromethane		**ND**	50	ug/kg
1,2-Dibromoethane		**ND**	50	ug/kg
Chlorobenzene		**ND**	50	ug/kg
1,1,1,2-Tetrachloroethane		**ND**	50	ug/kg
Ethylbenzene		**ND**	50	ug/kg
p,m-Xylene		**ND**	50	ug/kg
o-Xylene		**ND**	50	ug/kg
Styrene		**ND**	50	ug/kg
Isopropylbenzene		**ND**	50	ug/kg
Bromoform		**ND**	50	ug/kg
1,1,2,2-Tetrachloroethane		**ND**	50	ug/kg
1,2,3-Trichloropropane		**ND**	50	ug/kg
n-Propylbenzene		**ND**	50	ug/kg
Bromobenzene		**ND**	50	ug/kg
1,3,5-Trimethylbenzene		**ND**	50	ug/kg
tert-Butylbenzene		**ND**	50	ug/kg
1,2,4-Trimethylbenzene		**ND**	50	ug/kg
sec-Butylbenzene		**ND**	50	ug/kg
p-Isopropyltoluene		**ND**	50	ug/kg
1,3-Dichlorobenzene		**ND**	50	ug/kg
1,4-Dichlorobenzene		**ND**	50	ug/kg
1,2-Dichlorobenzene		**ND**	50	ug/kg
1,2,3-Trimethylbenzene		**ND**	50	ug/kg
n-Butylbenzene		**ND**	50	ug/kg
Hexachloroethane		**ND**	50	ug/kg
1,2-Dibromo-3-chloropropane		**ND**	50	ug/kg
1,2,4-Trichlorobenzene		**ND**	50	ug/kg
1,2,3-Trichlorobenzene		**ND**	50	ug/kg
Naphthalene		**ND**	50	ug/kg
2-Methylnaphthalene		**ND**	50	ug/kg

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100728b6.lcss28b, Parent Sample ID: 100728b6.lcss28a

Run in Batch: 100728B6, Run Date: 07/28/2010 15:32, Prep Date: 07/28/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Benzene		**101.14**	66.0	142.0	**2.2**	20.0
Chlorobenzene		**106.96**	60.0	133.0	**5.6**	20.0
1,1-Dichloroethene		**89.48**	59.0	172.0	**4.2**	20.0
Trichloroethene		**99.54**	62.0	137.0	**2.9**	20.0
Toluene		**103.36**	59.0	139.0	**4.9**	20.0

Organics - Volatiles, Prep Batch ID: VF100728W3

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100728a3.lcsw28c

Run in Batch: 100728A3, Run Date: 07/28/2010 19:16, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Benzene		**94.18**	73.7	127.0
Chlorobenzene		**96.92**	75.0	130.0
1,1-Dichloroethene		**92.78**	59.9	145.0
Trichloroethene		**95.34**	71.0	121.2
Toluene		**95.44**	71.4	127.6

Blank (BLK)

Lab Sample ID: 100728a3.blkt28a

Run in Batch: 100728A3, Run Date: 07/28/2010 15:00, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Acetone		**ND**	10	ug/l
Acrylonitrile		**ND**	10	ug/l
2-Butanone (MEK)		**ND**	10	ug/l
Benzene		**ND**	1	ug/l
n-Butylbenzene		**ND**	1	ug/l
Bromobenzene		**ND**	1	ug/l
Bromochloromethane		**ND**	1	ug/l
Bromodichloromethane		**ND**	1	ug/l
Bromoform		**ND**	1	ug/l
Bromomethane		**ND**	1	ug/l
sec-Butylbenzene		**ND**	1	ug/l
tert-Butylbenzene		**ND**	1	ug/l
Carbon disulfide		**ND**	1	ug/l
Carbon tetrachloride		**ND**	1	ug/l
Chlorobenzene		**ND**	1	ug/l
Chloroethane		**ND**	1	ug/l
Chloroform		**ND**	1	ug/l
Chloromethane		**ND**	1	ug/l
1,1-Dichloroethane		**ND**	1	ug/l
1,1-Dichloroethene		**ND**	1	ug/l
1,2-Dibromo-3-chloropropane		**ND**	1	ug/l
1,2-Dibromoethane		**ND**	1	ug/l
1,2-Dichlorobenzene		**ND**	1	ug/l
1,2-Dichloroethane		**ND**	1	ug/l
1,2-Dichloropropane		**ND**	1	ug/l
1,3-Dichlorobenzene		**ND**	1	ug/l
1,4-Dichlorobenzene		**ND**	1	ug/l
cis-1,2-Dichloroethene		**ND**	1	ug/l
cis-1,3-Dichloropropene		**ND**	1	ug/l
Dibromochloromethane		**ND**	1	ug/l
Dibromomethane		**ND**	1	ug/l
Dichlorodifluoromethane		**ND**	1	ug/l
Diethyl ether		**ND**	1	ug/l
trans-1,2-Dichloroethene		**ND**	1	ug/l
trans-1,3-Dichloropropene		**ND**	1	ug/l
trans-1,4-Dichloro-2-butene		**ND**	1	ug/l

Organics - Volatiles, Prep Batch ID: VF100728W3 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100728a3.blkt28a

Run in Batch: 100728A3, Run Date: 07/28/2010 15:00, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Ethylbenzene		**ND**	1	ug/l
2-Hexanone		**ND**	10	ug/l
Hexachloroethane		**ND**	1	ug/l
p-Isopropyltoluene		**ND**	1	ug/l
Isopropylbenzene		**ND**	1	ug/l
2-Methylnaphthalene		**ND**	1	ug/l
4-Methyl-2-pentanone (MIBK)		**ND**	10	ug/l
tert-Methyl butyl ether (MTBE)		**ND**	1	ug/l
Methyl iodide		**ND**	1	ug/l
Methylene chloride		**ND**	1	ug/l
Naphthalene		**ND**	1	ug/l
n-Propylbenzene		**ND**	1	ug/l
Styrene		**ND**	1	ug/l
1,1,1,2-Tetrachloroethane		**ND**	1	ug/l
1,1,1-Trichloroethane		**ND**	1	ug/l
1,1,2,2-Tetrachloroethane		**ND**	1	ug/l
1,1,2-Trichloroethane		**ND**	1	ug/l
1,2,3-Trichlorobenzene		**ND**	1	ug/l
1,2,3-Trichloropropane		**ND**	1	ug/l
1,2,3-Trimethylbenzene		**ND**	1	ug/l
1,2,4-Trichlorobenzene		**ND**	1	ug/l
1,2,4-Trimethylbenzene		**ND**	1	ug/l
1,3,5-Trimethylbenzene		**ND**	1	ug/l
Tetrachloroethene		**ND**	1	ug/l
Tetrahydrofuran	*	**3.1**	10	ug/l
Toluene		**ND**	1	ug/l
Trichloroethene		**ND**	1	ug/l
Trichlorofluoromethane		**ND**	1	ug/l
Vinyl chloride		**ND**	1	ug/l
o-Xylene		**ND**	1	ug/l
p,m-Xylene		**ND**	1	ug/l

Blank (BLK)

Lab Sample ID: 100728a3.blkw28a

Run in Batch: 100728A3, Run Date: 07/28/2010 14:42, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Acetone		**ND**	10	ug/l
Acrylonitrile		**ND**	10	ug/l
2-Butanone (MEK)		**ND**	10	ug/l
Benzene		**ND**	1	ug/l
n-Butylbenzene		**ND**	1	ug/l
Bromobenzene		**ND**	1	ug/l
Bromochloromethane		**ND**	1	ug/l
Bromodichloromethane		**ND**	1	ug/l
Bromoform		**ND**	1	ug/l
Bromomethane		**ND**	1	ug/l

Organics - Volatiles, Prep Batch ID: VF100728W3 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100728a3.blkw28a

Run in Batch: 100728A3, Run Date: 07/28/2010 14:42, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
sec-Butylbenzene		ND	1	ug/l
tert-Butylbenzene		ND	1	ug/l
Carbon disulfide		ND	1	ug/l
Carbon tetrachloride		ND	1	ug/l
Chlorobenzene		ND	1	ug/l
Chloroethane		ND	1	ug/l
Chloroform		ND	1	ug/l
Chloromethane		ND	1	ug/l
1,1-Dichloroethane		ND	1	ug/l
1,1-Dichloroethene		ND	1	ug/l
1,2-Dibromo-3-chloropropane		ND	1	ug/l
1,2-Dibromoethane		ND	1	ug/l
1,2-Dichlorobenzene		ND	1	ug/l
1,2-Dichloroethane		ND	1	ug/l
1,2-Dichloropropane		ND	1	ug/l
1,3-Dichlorobenzene		ND	1	ug/l
1,4-Dichlorobenzene		ND	1	ug/l
cis-1,2-Dichloroethene		ND	1	ug/l
cis-1,3-Dichloropropene		ND	1	ug/l
Dibromochloromethane		ND	1	ug/l
Dibromomethane		ND	1	ug/l
Dichlorodifluoromethane		ND	1	ug/l
Diethyl ether		ND	1	ug/l
trans-1,2-Dichloroethene		ND	1	ug/l
trans-1,3-Dichloropropene		ND	1	ug/l
trans-1,4-Dichloro-2-butene		ND	1	ug/l
Ethylbenzene		ND	1	ug/l
2-Hexanone		ND	10	ug/l
Hexachloroethane		ND	1	ug/l
p-Isopropyltoluene		ND	1	ug/l
Isopropylbenzene		ND	1	ug/l
2-Methylnaphthalene		ND	1	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10	ug/l
tert-Methyl butyl ether (MTBE)		ND	1	ug/l
Methyl iodide		ND	1	ug/l
Methylene chloride		ND	1	ug/l
Naphthalene		ND	1	ug/l
n-Propylbenzene		ND	1	ug/l
Styrene		ND	1	ug/l
1,1,1,2-Tetrachloroethane		ND	1	ug/l
1,1,1-Trichloroethane		ND	1	ug/l
1,1,2,2-Tetrachloroethane		ND	1	ug/l
1,1,2-Trichloroethane		ND	1	ug/l
1,2,3-Trichlorobenzene		ND	1	ug/l
1,2,3-Trichloropropane		ND	1	ug/l
1,2,3-Trimethylbenzene		ND	1	ug/l

Organics - Volatiles, Prep Batch ID: VF100728W3 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100728a3.blkw28a

Run in Batch: 100728A3, Run Date: 07/28/2010 14:42, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
1,2,4-Trichlorobenzene		**ND**	1	ug/l
1,2,4-Trimethylbenzene		**ND**	1	ug/l
1,3,5-Trimethylbenzene		**ND**	1	ug/l
Tetrachloroethene		**ND**	1	ug/l
Tetrahydrofuran	*	**3.1**	10	ug/l
Toluene		**ND**	1	ug/l
Trichloroethene		**ND**	1	ug/l
Trichlorofluoromethane		**ND**	1	ug/l
Vinyl chloride		**ND**	1	ug/l
o-Xylene		**ND**	1	ug/l
p,m-Xylene		**ND**	1	ug/l

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100728a3.lcsw28d, Parent Sample ID: 100728a3.lcsw28c

Run in Batch: 100728A3, Run Date: 07/28/2010 19:34, Prep Date: 07/28/2010, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Benzene		**100.42**	73.7	127.0	**6.4**	20.0
Chlorobenzene		**99.78**	75.0	130.0	**2.9**	20.0
1,1-Dichloroethene		**95.62**	59.9	145.0	**3.0**	20.0
Trichloroethene		**98.88**	71.0	121.2	**3.6**	20.0
Toluene		**101.84**	71.4	127.6	**6.5**	20.0

Organics - Volatiles, Prep Batch ID: VF100730S1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: 100730a5.lcss30a

Run in Batch: 100730A5, Run Date: 07/30/2010 12:59, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Analyte	Flags	% Rec	LCL	UCL
Benzene		**104.42**	66.0	142.0
Chlorobenzene		**106.24**	60.0	133.0
1,1-Dichloroethene		**92.56**	59.0	172.0
Trichloroethene		**104.88**	62.0	137.0
Toluene		**101.30**	59.0	139.0

Blank (BLK)

Lab Sample ID: 100730a5.blks30a

Run in Batch: 100730A5, Run Date: 07/30/2010 14:38, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Analyte	Flags	Conc	RDL	Units
Acetone		**ND**	500	ug/kg
Acrylonitrile		**ND**	50	ug/kg
2-Butanone (MEK)		**ND**	500	ug/kg
Benzene		**ND**	50	ug/kg
n-Butylbenzene		**ND**	50	ug/kg
Bromobenzene		**ND**	50	ug/kg
Bromochloromethane		**ND**	50	ug/kg
Bromodichloromethane		**ND**	50	ug/kg
Bromoform		**ND**	50	ug/kg
Bromomethane		**ND**	50	ug/kg
sec-Butylbenzene		**ND**	50	ug/kg
tert-Butylbenzene		**ND**	50	ug/kg
Carbon disulfide		**ND**	50	ug/kg
Carbon tetrachloride		**ND**	50	ug/kg
Chlorobenzene		**ND**	50	ug/kg
Chloroethane		**ND**	50	ug/kg
Chloroform		**ND**	50	ug/kg
Chloromethane		**ND**	50	ug/kg
1,1-Dichloroethane		**ND**	50	ug/kg
1,1-Dichloroethene		**ND**	50	ug/kg
1,2-Dibromo-3-chloropropane		**ND**	50	ug/kg
1,2-Dibromoethane		**ND**	50	ug/kg
1,2-Dichlorobenzene		**ND**	50	ug/kg
1,2-Dichloroethane		**ND**	50	ug/kg
1,2-Dichloropropane		**ND**	50	ug/kg
1,3-Dichlorobenzene		**ND**	50	ug/kg
1,4-Dichlorobenzene		**ND**	50	ug/kg
cis-1,2-Dichloroethene		**ND**	50	ug/kg
cis-1,3-Dichloropropene		**ND**	50	ug/kg
Dibromochloromethane		**ND**	50	ug/kg
Dibromomethane		**ND**	50	ug/kg
Dichlorodifluoromethane		**ND**	50	ug/kg
Diethyl ether		**ND**	50	ug/kg
trans-1,2-Dichloroethene		**ND**	50	ug/kg
trans-1,3-Dichloropropene		**ND**	50	ug/kg
trans-1,4-Dichloro-2-butene		**ND**	50	ug/kg

Organics - Volatiles, Prep Batch ID: VF100730S1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Blank (BLK) (continued)

Lab Sample ID: 100730a5.blks30a

Run in Batch: 100730A5, Run Date: 07/30/2010 14:38, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**Conc**	RDL	Units
Ethylbenzene		**ND**	50	ug/kg
2-Hexanone		**ND**	50	ug/kg
Hexachloroethane		**ND**	50	ug/kg
p-Isopropyltoluene		**ND**	50	ug/kg
Isopropylbenzene		**ND**	50	ug/kg
2-Methylnaphthalene		**ND**	50	ug/kg
4-Methyl-2-pentanone (MIBK)		**ND**	50	ug/kg
tert-Methyl butyl ether (MTBE)		**ND**	50	ug/kg
Methyl iodide		**ND**	50	ug/kg
Methylene chloride		**ND**	50	ug/kg
Naphthalene		**ND**	50	ug/kg
n-Propylbenzene		**ND**	50	ug/kg
Styrene		**ND**	50	ug/kg
1,1,1,2-Tetrachloroethane		**ND**	50	ug/kg
1,1,1-Trichloroethane		**ND**	50	ug/kg
1,1,2,2-Tetrachloroethane		**ND**	50	ug/kg
1,1,2-Trichloroethane		**ND**	50	ug/kg
1,2,3-Trichlorobenzene		**ND**	50	ug/kg
1,2,3-Trichloropropane		**ND**	50	ug/kg
1,2,3-Trimethylbenzene		**ND**	50	ug/kg
1,2,4-Trichlorobenzene		**ND**	50	ug/kg
1,2,4-Trimethylbenzene		**ND**	50	ug/kg
1,3,5-Trimethylbenzene		**ND**	50	ug/kg
Tetrachloroethene		**ND**	50	ug/kg
Tetrahydrofuran		**ND**	500	ug/kg
Toluene		**ND**	50	ug/kg
Trichloroethene		**ND**	50	ug/kg
Trichlorofluoromethane		**ND**	50	ug/kg
Vinyl chloride		**ND**	50	ug/kg
o-Xylene		**ND**	50	ug/kg
p,m-Xylene		**ND**	50	ug/kg

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 100730a5.lcss30b, Parent Sample ID: 100730a5.lcss30a

Run in Batch: 100730A5, Run Date: 07/30/2010 13:19, Prep Date: 07/30/2010, Matrix: SO, Dilution: 50

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Benzene		**104.04**	66.0	142.0	**0.4**	20.0
Chlorobenzene		**105.10**	60.0	133.0	**1.1**	20.0
1,1-Dichloroethene		**92.26**	59.0	172.0	**0.3**	20.0
Trichloroethene		**104.02**	62.0	137.0	**0.8**	20.0
Toluene		**99.00**	59.0	139.0	**2.3**	20.0

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 3

042284

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	JEREMY FOX
COMPANY	AKT Peerless
ADDRESS	22725 Orchard Lake Road
CITY	FARMINGTON
STATE	MI
ZIP CODE	48336
PHONE NO.	(248) 615-1333
FAX NO.	(248) 615-1334
P.O. NO.	
E-MAIL ADDRESS	FoxJ@AKTPeerless.com
QUOTE NO.	

INVOICE TO

CONTACT NAME	X SAME
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
FAX NO.	
P.O. NO.	

PROJECT NO./NAME: 6588F-2-20

SAMPLER(S) - PLEASE PRINT/SIGN NAME: JEREMY FOX Jeremy Fox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Cd, Cr, Pb	PCBs	LEADED GAS + LEAD + MTBE						SPECIAL INSTRUCTIONS/NOTES
45025.01	7/23	—	B-1 (1-3)	S	2	1					1		X	X	X	X							
.02	7/23	—	B-2 (2-4)	S	2	1					1		X	X	X	X							
.03	7/23	—	B-3 (2-4)	S	2	1					1		X	X	X								
.04	7/23	—	B-4 (1-3)	S	2	1					1		X	X	X								
.05/.06	7/23	—	B-4 (1-3) MS/MSD	S	4	2					2		X	X	X								
.07	7/23	—	B-5 (7.5-8)	S	2	1					1		X	X	X								
.08	7/23	—	B-6 (4-6)	S	2	1					1						X						
.09	7/23	—	B-7 (3-4)	S	2	1					1						X						
.10	7/23	—	B-8 (4-6)	S	2	1					1		X	X	X	X							
.11	7/23	—	SOIL DUPLICATE	S	2	1					1		X	X	X								
.12	7/23	—	B-1W	GW	4	1	2	1					X	X	X								
.13	7/23	—	B-4W	GW	2		2						X										

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Jeremy Fox	DATE 7/24/10	TIME 3:15	RELINQUISHED BY: SIGNATURE/ORGANIZATION	Faiaz Ellerbee	DATE 07/26/10	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	Faiaz Ellerbee	DATE 7/24/10	TIME 3:15	RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ruhe	DATE 7/27/10	TIME 8:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.9
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

042285

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Fox
COMPANY: AKT Peerless
ADDRESS: 22725 Orchard Lake Road
CITY: Farmington | STATE: MI | ZIP CODE: 48336
PHONE NO.: (248) 615-1333 | FAX NO.: (248) 615-1334 | P.O. NO.:
E-MAIL ADDRESS: Foxj@AKTPeerless.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | X SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: 65886-2-20
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Dave Isabell
TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER
DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Cd, Cr, Pb	LEADED LEAD + LEAD + MTBE
45025.14	7/23/10	—	B-SW	GW	4	1	2	1					X	X	X	
.15	7/23	—	Trip Blank	L	1		1						X			
.16	7/23	—	Methanol Blank	L	1						1		X			
.17	7/23	—	Field Blank	L	4	1	2	1					X	X	X	
.18	7/23	—	MW-2	GW	3		2	1								X
.19	7/23	—	MW-4	GW	3		2	1								X
.20	7/23	—	MW-4D	GW	3		2	1								X
.21	7/23	—	MW-5	GW	3		2	1								X
.22	7/23	—	MW-7	GW	3		2	1								X
.23	7/23	—	MW-8	GW	3		2	1								X
.24	7/23	—	MW-9	GW	3		2	1								X
.25 | .26	7/23	—	MW-9 MS/MSD	GW	6		4	2								X

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Jeremy Fox	DATE: 7/23/10	TIME: 5:55	RELINQUISHED BY: SIGNATURE/ORGANIZATION: Isaiah Meerschaert	DATE: 07/26/10	TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Isaiah Meerschaert	DATE: 7/23/10	TIME: 5:55	RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Ruhed	DATE: 7/29/10	TIME: 8:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.9

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C.O.C. PAGE # 3 OF 3

56472

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Fox
COMPANY: AKT Peerless
ADDRESS: 27725 Orchard Lake Road
CITY: Farmington | STATE: MI | ZIP CODE: 48336
PHONE NO.: (248) 615-1333 | FAX NO.: (248) 615-1334 | P.O. NO.:
E-MAIL ADDRESS: Fox@AKTPeerless.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | ☐ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: 6588f-2-20
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Jeremy Fox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	DNMs	Cd Cr Pb	RCRA	LEADED GAS + LEAD + MTBE
45025.27	7/23	—	MW-10	GW	3		2	1									X
.28	7/23	—	MW-D	GW	3		2	1									X
.29	7/23	—	Ground Water Dip #1	GW	3		2	1									X
.30	7/23	—	GW Dip #2	GW	4	1	2	1					X	X	X		
.31	7/23	—	GW Equipment	GW	4	1	2	1					X	X	X		
.32	7/23		Soil Equipment	GW	4	1	2	1					X	X	X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Jeremy Fox	7/26/10	3:15
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	7/26/10	3:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	07/26/10	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible]	7/27/10	8:00

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.9
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S45567.01(01)
Generated on 09/08/2010

Report to

Attention: Tom Szocinski
AKT Peerless Environmental
22725 Orchard Lake Rd.
Farmington, MI 48336

Phone: 248-615-1333 FAX:
Email: szocinskit@aktpeerless.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S45567.01-S45567.13
Project: 6588F-4-20
Collected Date: 09/02/2010
Submitted Date/Time: 09/02/2010 15:15
Sampled by: Tom Szocinski
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (13 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S45567.01	TP-1 SS-1 4'	Soil	09/02/2010
S45567.02	TP-1 SS-2 4'	Soil	09/02/2010
S45567.03	TP-1 SS-3 4'	Soil	09/02/2010
S45567.04	TP-1 SS-4 4'	Soil	09/02/2010
S45567.05	TP-2 SS-1 3'	Soil	09/02/2010
S45567.06	TP-2 SS-2 3'	Soil	09/02/2010
S45567.07	TP-2 SS-3 3'	Soil	09/02/2010
S45567.08	TP-2 SS-4 3'	Soil	09/02/2010
S45567.09	TP-2 SS-4 3' MS	Soil	09/02/2010
S45567.10	TP-2 SS-4 3' MSD	Soil	09/02/2010
S45567.11	Duplicate	Soil	09/02/2010
S45567.12	Field	Liquid	09/02/2010
S45567.13	Trip	Liquid	09/02/2010

Analytical Laboratory Report

Lab Sample ID: S45567.01
Sample Tag: TP-1 SS-1 4'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:06	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:29	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	09/07/10 16:42	JGH	60-29-7	1
Acetone	Not detected	ug/kg	2,100	8260B/5035	09/07/10 16:42	JGH	67-64-1	1X

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45567.01 (continued)
Sample Tag: TP-1 SS-1 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	09/07/10 16:42	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/kg	300	8260B/5035	09/07/10 16:42	JGH	107-13-1	1X
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	09/07/10 16:42	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	75-71-8	1
Chloromethane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	75-01-4	1
Bromomethane	Not detected	ug/kg	300	8260B/5035	09/07/10 16:42	JGH	74-83-9	1
Chloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	75-35-4	1
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/07/10 16:42	JGH	109-99-9	1
Chloroform	Not detected	ug/kg	90	8260B/5035	09/07/10 16:42	JGH	67-66-3	1X
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	09/07/10 16:42	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	09/07/10 16:42	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	56-23-5	1
Benzene	1,180	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	107-06-2	1
Trichloroethene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	78-87-5	1
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	75-27-4	1
Dibromomethane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	10061-01-5	1
Toluene	7,500	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/kg	420	8260B/5035	09/07/10 16:42	JGH	79-00-5	1X
Tetrachloroethene	250	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	09/07/10 16:42	JGH	106-93-4	1M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	630-20-6	1
Ethylbenzene	2,510	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	100-41-4	1
p,m-Xylene	9,400	ug/kg	100	8260B/5035	09/07/10 16:42	JGH		1
o-Xylene	4,030	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	95-47-6	1
Styrene	Not detected	ug/kg	140	8260B/5035	09/07/10 16:42	JGH	100-42-5	1X
Isopropylbenzene	400	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	98-82-8	1
Bromoform	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	79-34-5	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.01 (continued)
Sample Tag: TP-1 SS-1 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	96-18-4	1
n-Propylbenzene	1,700	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	103-65-1	1
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	108-86-1	1
1,3,5-Trimethylbenzene	2,600	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	98-06-6	1
1,2,4-Trimethylbenzene	7,200	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	95-63-6	1
sec-Butylbenzene	380	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	135-98-8	1
p-Isopropyltoluene	200	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	95-50-1	1
1,2,3-Trimethylbenzene	2,300	ug/kg	100	8260B/5035	09/07/10 16:42	JGH	526-73-8	1
n-Butylbenzene	1,480	ug/kg	70	8260B/5035	09/07/10 16:42	JGH	104-51-8	1
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	09/07/10 16:42	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/07/10 16:42	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/07/10 16:42	JGH	87-61-6	1
Naphthalene	2,700	ug/kg	500	8260B/5035	09/07/10 16:42	JGH	91-20-3	1
2-Methylnaphthalene	4,900	ug/kg	500	8260B/5035	09/07/10 16:42	JGH	91-57-6	1

1-No tare weight.Assumed 1:1

Analytical Laboratory Report

Lab Sample ID: S45567.02
Sample Tag: TP-1 SS-2 4'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	89	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:16	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 23:44	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	09/08/10 14:05	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:05	JGH	67-64-1	
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	74-88-4	

Analytical Laboratory Report

Lab Sample ID: S45567.02 (continued)
Sample Tag: TP-1 SS-2 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	09/08/10 14:05	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	900	8260B/5035	09/08/10 14:05	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	200	8260B/5035	09/08/10 14:05	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:05	JGH	109-99-9	
Chloroform	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	09/08/10 14:05	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	09/08/10 14:05	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	56-23-5	
Benzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	10061-01-5	
Toluene	200	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:05	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	09/08/10 14:05	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	630-20-6	
Ethylbenzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	100-41-4	
p,m-Xylene	200	ug/kg	100	8260B/5035	09/08/10 14:05	JGH		
o-Xylene	80	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	95-47-6	
Styrene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	103-65-1	

X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.02 (continued)
Sample Tag: TP-1 SS-2 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:05	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/08/10 14:05	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:05	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:05	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/08/10 14:05	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/08/10 14:05	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	400	8260B/5035	09/08/10 14:05	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	09/08/10 14:05	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45567.03
Sample Tag: TP-1 SS-3 4'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	81	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:26	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 19:52	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	2,000	8260B/5035	09/07/10 19:39	JGH	60-29-7	1Y
Acetone	Not detected	ug/kg	10,000	8260B/5035	09/07/10 19:39	JGH	67-64-1	1Y

1-No tare weight.Assumed 1:1 Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S45567.03 (continued)
Sample Tag: TP-1 SS-3 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	74-88-4	1Y
Carbon disulfide	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	75-15-0	1Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	2,000	8260B/5035	09/07/10 19:39	JGH	1634-04-4	1Y
Acrylonitrile	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	107-13-1	1Y
2-Butanone (MEK)	Not detected	ug/kg	9,000	8260B/5035	09/07/10 19:39	JGH	78-93-3	1Y
Dichlorodifluoromethane	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	75-71-8	1Y
Chloromethane	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	74-87-3	1Y
Vinyl chloride	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	75-01-4	1Y
Bromomethane	Not detected	ug/kg	2,000	8260B/5035	09/07/10 19:39	JGH	74-83-9	1Y
Chloroethane	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	75-00-3	1Y
Trichlorofluoromethane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	75-69-4	1Y
1,1-Dichloroethene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	75-35-4	1Y
Methylene chloride	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	75-09-2	1Y
trans-1,2-Dichloroethene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	156-60-5	1Y
1,1-Dichloroethane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	75-34-3	1Y
cis-1,2-Dichloroethene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	156-59-2	1Y
Tetrahydrofuran	Not detected	ug/kg	10,000	8260B/5035	09/07/10 19:39	JGH	109-99-9	1Y
Chloroform	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	67-66-3	1Y
Bromochloromethane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	74-97-5	1Y
1,1,1-Trichloroethane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	71-55-6	1Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	30,000	8260B/5035	09/07/10 19:39	JGH	108-10-1	1Y
2-Hexanone	Not detected	ug/kg	30,000	8260B/5035	09/07/10 19:39	JGH	591-78-6	1Y
Carbon tetrachloride	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	56-23-5	1Y
Benzene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	71-43-2	1Y
1,2-Dichloroethane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	107-06-2	1Y
Trichloroethene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	79-01-6	1Y
1,2-Dichloropropane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	78-87-5	1Y
Bromodichloromethane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	75-27-4	1Y
Dibromomethane	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	74-95-3	1Y
cis-1,3-Dichloropropene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	10061-01-5	1Y
Toluene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	108-88-3	1Y
trans-1,3-Dichloropropene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	10061-02-6	1Y
1,1,2-Trichloroethane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	79-00-5	1Y
Tetrachloroethene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	127-18-4	1Y
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	110-57-6	1Y
Dibromochloromethane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	124-48-1	1Y
1,2-Dibromoethane	Not detected	ug/kg	200	8260B/5035	09/07/10 19:39	JGH	106-93-4	1MY
Chlorobenzene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	108-90-7	1Y
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	630-20-6	1Y
Ethylbenzene	1,100	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	100-41-4	1Y
p,m-Xylene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH		1Y
o-Xylene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	95-47-6	1Y
Styrene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	100-42-5	1Y
Isopropylbenzene	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	98-82-8	1Y
Bromoform	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	75-25-2	1Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	79-34-5	1Y
1,2,3-Trichloropropane	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	96-18-4	1Y

1-No tare weight.Assumed 1:1 Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Lab Sample ID: S45567.03 (continued)
Sample Tag: TP-1 SS-3 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
n-Propylbenzene	4,000	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	103-65-1	1Y
Bromobenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	108-86-1	1Y
1,3,5-Trimethylbenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	108-67-8	1Y
tert-Butylbenzene	Not detected	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	98-06-6	1Y
1,2,4-Trimethylbenzene	6,000	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	95-63-6	1Y
sec-Butylbenzene	1,800	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	135-98-8	1Y
p-Isopropyltoluene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	99-87-6	1Y
1,3-Dichlorobenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	541-73-1	1Y
1,4-Dichlorobenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	106-46-7	1Y
1,2-Dichlorobenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	95-50-1	1Y
1,2,3-Trimethylbenzene	Not detected	ug/kg	1,000	8260B/5035	09/07/10 19:39	JGH	526-73-8	1Y
n-Butylbenzene	5,200	ug/kg	600	8260B/5035	09/07/10 19:39	JGH	104-51-8	1Y
Hexachloroethane	Not detected	ug/kg	4,000	8260B/5035	09/07/10 19:39	JGH	67-72-1	1Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3,000	8260B/5035	09/07/10 19:39	JGH	96-12-8	1Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	4,000	8260B/5035	09/07/10 19:39	JGH	120-82-1	1Y
1,2,3-Trichlorobenzene	Not detected	ug/kg	4,000	8260B/5035	09/07/10 19:39	JGH	87-61-6	1Y
Naphthalene	8,000	ug/kg	4,000	8260B/5035	09/07/10 19:39	JGH	91-20-3	1Y
2-Methylnaphthalene	8,000	ug/kg	4,000	8260B/5035	09/07/10 19:39	JGH	91-57-6	1Y

1-No tare weight.Assumed 1:1 Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S45567.04
Sample Tag: TP-1 SS-4 4'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:37	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	193-39-5	
Naphthalene	900	ug/kg	300	8270C	09/03/10 21:25	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:25	PL	129-00-0	
2-Methylnaphthalene	1,300	ug/kg	300	8270C	09/03/10 21:25	PL	91-57-6	
1-Methylnaphthalene	800	ug/kg	300	8270C	09/03/10 21:25	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:45	JGH	60-29-7	X
Acetone	Not detected	ug/kg	7,000	8260B/5035	09/08/10 14:45	JGH	67-64-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45567.04 (continued)
Sample Tag: TP-1 SS-4 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	74-88-4	X
Carbon disulfide	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	75-15-0	X
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:45	JGH	1634-04-4	X
Acrylonitrile	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	107-13-1	X
2-Butanone (MEK)	Not detected	ug/kg	5,000	8260B/5035	09/08/10 14:45	JGH	78-93-3	X
Dichlorodifluoromethane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	75-71-8	X
Chloromethane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	74-87-3	X
Vinyl chloride	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	75-01-4	X
Bromomethane	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:45	JGH	74-83-9	X
Chloroethane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	75-00-3	X
Trichlorofluoromethane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	75-69-4	X
1,1-Dichloroethene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	75-35-4	X
Methylene chloride	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	75-09-2	X
trans-1,2-Dichloroethene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	156-60-5	X
1,1-Dichloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	75-34-3	X
cis-1,2-Dichloroethene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	156-59-2	X
Tetrahydrofuran	Not detected	ug/kg	7,000	8260B/5035	09/08/10 14:45	JGH	109-99-9	X
Chloroform	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	67-66-3	X
Bromochloromethane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	74-97-5	X
1,1,1-Trichloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	71-55-6	X
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	20,000	8260B/5035	09/08/10 14:45	JGH	108-10-1	X
2-Hexanone	Not detected	ug/kg	20,000	8260B/5035	09/08/10 14:45	JGH	591-78-6	X
Carbon tetrachloride	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	56-23-5	X
Benzene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	71-43-2	X
1,2-Dichloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	107-06-2	X
Trichloroethene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	79-01-6	X
1,2-Dichloropropane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	78-87-5	X
Bromodichloromethane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	75-27-4	X
Dibromomethane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	74-95-3	X
cis-1,3-Dichloropropene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	10061-01-5	X
Toluene	800	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	108-88-3	X
trans-1,3-Dichloropropene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	10061-02-6	X
1,1,2-Trichloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	127-18-4	X
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	110-57-6	X
Dibromochloromethane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	124-48-1	X
1,2-Dibromoethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:45	JGH	106-93-4	XM
Chlorobenzene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	108-90-7	X
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	630-20-6	X
Ethylbenzene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	100-41-4	X
p,m-Xylene	1,000	ug/kg	700	8260B/5035	09/08/10 14:45	JGH		X
o-Xylene	400	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	95-47-6	X
Styrene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	100-42-5	X
Isopropylbenzene	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	98-82-8	X
Bromoform	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	75-25-2	X
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	79-34-5	X
1,2,3-Trichloropropane	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	96-18-4	X

X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.04 (continued)
Sample Tag: TP-1 SS-4 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
n-Propylbenzene	1,700	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	103-65-1	X
Bromobenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	108-86-1	X
1,3,5-Trimethylbenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	108-67-8	X
tert-Butylbenzene	Not detected	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	98-06-6	X
1,2,4-Trimethylbenzene	800	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	95-63-6	X
sec-Butylbenzene	700	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	135-98-8	X
p-Isopropyltoluene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	99-87-6	X
1,3-Dichlorobenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	541-73-1	X
1,4-Dichlorobenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	106-46-7	X
1,2-Dichlorobenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	95-50-1	X
1,2,3-Trimethylbenzene	Not detected	ug/kg	700	8260B/5035	09/08/10 14:45	JGH	526-73-8	X
n-Butylbenzene	1,600	ug/kg	300	8260B/5035	09/08/10 14:45	JGH	104-51-8	X
Hexachloroethane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	67-72-1	X
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	96-12-8	X
1,2,4-Trichlorobenzene	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	120-82-1	X
1,2,3-Trichlorobenzene	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	87-61-6	X
Naphthalene	3,000	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	91-20-3	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8260B/5035	09/08/10 14:45	JGH	91-57-6	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45567.05
Sample Tag: TP-2 SS-1 3'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	92	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:47	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 21:49	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	09/07/10 17:21	JGH	60-29-7	1
Acetone	Not detected	ug/kg	1,000	8260B/5035	09/07/10 17:21	JGH	67-64-1	1

1-No tare weight.Assumed 1:1

Lab Sample ID: S45567.05 (continued)
Sample Tag: TP-2 SS-1 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	09/07/10 17:21	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	107-13-1	1
2-Butanone (MEK)	Not detected	ug/kg	900	8260B/5035	09/07/10 17:21	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	75-71-8	1
Chloromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	75-01-4	1
Bromomethane	Not detected	ug/kg	200	8260B/5035	09/07/10 17:21	JGH	74-83-9	1
Chloroethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	75-35-4	1
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/07/10 17:21	JGH	109-99-9	1
Chloroform	Not detected	ug/kg	80	8260B/5035	09/07/10 17:21	JGH	67-66-3	1X
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	09/07/10 17:21	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	09/07/10 17:21	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	56-23-5	1
Benzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	107-06-2	1
Trichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	09/07/10 17:21	JGH	78-87-5	1X
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	75-27-4	1
Dibromomethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	10061-01-5	1
Toluene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/kg	730	8260B/5035	09/07/10 17:21	JGH	79-00-5	1X
Tetrachloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	09/07/10 17:21	JGH	106-93-4	M1
Chlorobenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	630-20-6	1
Ethylbenzene	160	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	100-41-4	1
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH		1
o-Xylene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	95-47-6	1
Styrene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	100-42-5	1
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	98-82-8	1
Bromoform	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	79-34-5	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S45567.05 (continued)
Sample Tag: TP-2 SS-1 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	96-18-4	1
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	103-65-1	1
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	108-86-1	1
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	98-06-6	1
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	95-63-6	1
sec-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:21	JGH	135-98-8	1
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	95-50-1	1
1,2,3-Trimethylbenzene	300	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	526-73-8	1
n-Butylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:21	JGH	104-51-8	1X
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 17:21	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:21	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:21	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:21	JGH	87-61-6	1
Naphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:21	JGH	91-20-3	1
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:21	JGH	91-57-6	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45567.06
Sample Tag: TP-2 SS-2 3'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	92	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 22:58	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	120-12-7	
Benzo(a)anthracene	1,100	ug/kg	300	8270C	09/03/10 22:12	PL	56-55-3	
Benzo(a)pyrene	900	ug/kg	300	8270C	09/03/10 22:12	PL	50-32-8	
Benzo(b)fluoranthene	700	ug/kg	300	8270C	09/03/10 22:12	PL	205-99-2	
Benzo(k)fluoranthene	800	ug/kg	300	8270C	09/03/10 22:12	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	191-24-2	
Chrysene	900	ug/kg	300	8270C	09/03/10 22:12	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	53-70-3	
Fluoranthene	1,500	ug/kg	300	8270C	09/03/10 22:12	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	91-20-3	
Phenanthrene	700	ug/kg	300	8270C	09/03/10 22:12	PL	85-01-8	
Pyrene	1,700	ug/kg	300	8270C	09/03/10 22:12	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:12	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	09/07/10 17:41	JGH	60-29-7	1
Acetone	Not detected	ug/kg	1,000	8260B/5035	09/07/10 17:41	JGH	67-64-1	1

1-No tare weight.Assumed 1:1

Lab Sample ID: S45567.06 (continued)
Sample Tag: TP-2 SS-2 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	09/07/10 17:41	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	107-13-1	1
2-Butanone (MEK)	Not detected	ug/kg	900	8260B/5035	09/07/10 17:41	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	75-71-8	1
Chloromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	75-01-4	1
Bromomethane	Not detected	ug/kg	200	8260B/5035	09/07/10 17:41	JGH	74-83-9	1
Chloroethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	75-35-4	1
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/07/10 17:41	JGH	109-99-9	1
Chloroform	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	67-66-3	1
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	09/07/10 17:41	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	09/07/10 17:41	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	56-23-5	1
Benzene	70	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	107-06-2	1
Trichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/kg	120	8260B/5035	09/07/10 17:41	JGH	78-87-5	1X
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	75-27-4	1
Dibromomethane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	10061-01-5	1
Toluene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/kg	750	8260B/5035	09/07/10 17:41	JGH	79-00-5	1X
Tetrachloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	09/07/10 17:41	JGH	106-93-4	1M
Chlorobenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	630-20-6	1
Ethylbenzene	360	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	100-41-4	1
p,m-Xylene	300	ug/kg	100	8260B/5035	09/07/10 17:41	JGH		1
o-Xylene	100	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	95-47-6	1
Styrene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	100-42-5	1
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	98-82-8	1
Bromoform	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	79-34-5	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.06 (continued)
Sample Tag: TP-2 SS-2 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	96-18-4	1
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	103-65-1	1
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	108-86-1	1
1,3,5-Trimethylbenzene	200	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	98-06-6	1
1,2,4-Trimethylbenzene	100	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	95-63-6	1
sec-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 17:41	JGH	135-98-8	1
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	95-50-1	1
1,2,3-Trimethylbenzene	200	ug/kg	100	8260B/5035	09/07/10 17:41	JGH	526-73-8	1
n-Butylbenzene	Not detected	ug/kg	700	8260B/5035	09/07/10 17:41	JGH	104-51-8	1X
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 17:41	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	09/07/10 17:41	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:41	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:41	JGH	87-61-6	1
Naphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:41	JGH	91-20-3	1
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 17:41	JGH	91-57-6	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S45567.07
Sample Tag: TP-2 SS-3 3'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 23:08	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	83-32-9	S
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	208-96-8	S
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	120-12-7	S
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	56-55-3	S
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	50-32-8	S
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	205-99-2	S
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	207-08-9	S
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	191-24-2	S
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	218-01-9	S
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	53-70-3	S
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	206-44-0	S
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	86-73-7	S
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	193-39-5	S
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	91-20-3	S
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	85-01-8	S
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	129-00-0	S
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	91-57-6	S
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:16	PL	90-12-0	S
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	09/08/10 14:25	JGH	60-29-7	
Acetone	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:25	JGH	67-64-1	

S-Surrogate recovery outside of control limits

Lab Sample ID: S45567.07 (continued)
Sample Tag: TP-2 SS-3 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	09/08/10 14:25	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:25	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	300	8260B/5035	09/08/10 14:25	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/08/10 14:25	JGH	109-99-9	
Chloroform	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	09/08/10 14:25	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	09/08/10 14:25	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	56-23-5	
Benzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	75-27-4	
Dibromomethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	10061-01-5	
Toluene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	250	8260B/5035	09/08/10 14:25	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	09/08/10 14:25	JGH	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH		
o-Xylene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	95-47-6	
Styrene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	98-82-8	
Bromoform	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	96-18-4	

X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.07 (continued)
Sample Tag: TP-2 SS-3 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	103-65-1	
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/08/10 14:25	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	8260B/5035	09/08/10 14:25	JGH	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	09/08/10 14:25	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/08/10 14:25	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/08/10 14:25	JGH	87-61-6	
Naphthalene	Not detected	ug/kg	500	8260B/5035	09/08/10 14:25	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	500	8260B/5035	09/08/10 14:25	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S45567.08
Sample Tag: TP-2 SS-4 3'
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	90	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 21:35	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 22:35	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	8260B/5035	09/07/10 18:21	JGH	60-29-7	1
Acetone	Not detected	ug/kg	1,000	8260B/5035	09/07/10 18:21	JGH	67-64-1	1

1-No tare weight.Assumed 1:1

Lab Sample ID: S45567.08 (continued)
Sample Tag: TP-2 SS-4 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	8260B/5035	09/07/10 18:21	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	107-13-1	1
2-Butanone (MEK)	Not detected	ug/kg	900	8260B/5035	09/07/10 18:21	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	75-71-8	1
Chloromethane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	75-01-4	1
Bromomethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:21	JGH	74-83-9	1
Chloroethane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	75-35-4	1
Methylene chloride	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/kg	1,000	8260B/5035	09/07/10 18:21	JGH	109-99-9	1
Chloroform	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	67-66-3	1
Bromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	09/07/10 18:21	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	09/07/10 18:21	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	56-23-5	1
Benzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	107-06-2	1
Trichloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	78-87-5	1
Bromodichloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	75-27-4	1
Dibromomethane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	10061-01-5	1
Toluene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/kg	290	8260B/5035	09/07/10 18:21	JGH	79-00-5	1X
Tetrachloroethene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/kg	20	8260B/5035	09/07/10 18:21	JGH	106-93-4	1M
Chlorobenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	630-20-6	1
Ethylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	100-41-4	1
p,m-Xylene	100	ug/kg	100	8260B/5035	09/07/10 18:21	JGH		1
o-Xylene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	95-47-6	1
Styrene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	100-42-5	1
Isopropylbenzene	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	98-82-8	1
Bromoform	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	79-34-5	1

1-No tare weight.Assumed 1:1
X-Elevated reporting limit due to matrix interference
M-Result reported to MDL not RDL

Lab Sample ID: S45567.08 (continued)
Sample Tag: TP-2 SS-4 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	96-18-4	1
n-Propylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	103-65-1	1
Bromobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	108-86-1	1
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	98-06-6	1
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	95-63-6	1
sec-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	135-98-8	1
p-Isopropyltoluene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	95-50-1	1
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	8260B/5035	09/07/10 18:21	JGH	526-73-8	1
n-Butylbenzene	Not detected	ug/kg	60	8260B/5035	09/07/10 18:21	JGH	104-51-8	1
Hexachloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:21	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:21	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 18:21	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 18:21	JGH	87-61-6	1
Naphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 18:21	JGH	91-20-3	1
2-Methylnaphthalene	Not detected	ug/kg	400	8260B/5035	09/07/10 18:21	JGH	91-57-6	1

1-No tare weight.Assumed 1:1

Analytical Laboratory Report

Lab Sample ID: S45567.09
Sample Tag: TP-2 SS-4 3' MS
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	90	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	20	ug/kg	330	8082	09/06/10 21:45	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 21:45	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 21:45	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 21:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 21:45	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 21:45	JANB	11097-69-1	
PCB-1260	20	ug/kg	330	8082	09/06/10 21:45	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	1,500	ug/kg	300	8270C	09/03/10 22:58	PL	83-32-9	1
Acenaphthylene	1,500	ug/kg	300	8270C	09/03/10 22:58	PL	208-96-8	1
Anthracene	1,300	ug/kg	300	8270C	09/03/10 22:58	PL	120-12-7	1
Benzo(a)anthracene	1,700	ug/kg	300	8270C	09/03/10 22:58	PL	56-55-3	1
Benzo(a)pyrene	1,600	ug/kg	300	8270C	09/03/10 22:58	PL	50-32-8	1
Benzo(b)fluoranthene	1,800	ug/kg	300	8270C	09/03/10 22:58	PL	205-99-2	1
Benzo(k)fluoranthene	1,600	ug/kg	300	8270C	09/03/10 22:58	PL	207-08-9	1
Benzo(ghi)perylene	700	ug/kg	300	8270C	09/03/10 22:58	PL	191-24-2	1
Chrysene	1,500	ug/kg	300	8270C	09/03/10 22:58	PL	218-01-9	1
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	09/03/10 22:58	PL	53-70-3	1
Fluoranthene	1,400	ug/kg	300	8270C	09/03/10 22:58	PL	206-44-0	1
Fluorene	1,500	ug/kg	300	8270C	09/03/10 22:58	PL	86-73-7	1
Indeno(1,2,3-cd)pyrene	800	ug/kg	300	8270C	09/03/10 22:58	PL	193-39-5	1
Naphthalene	1,300	ug/kg	300	8270C	09/03/10 22:58	PL	91-20-3	1
Phenanthrene	1,300	ug/kg	300	8270C	09/03/10 22:58	PL	85-01-8	1
Pyrene	1,800	ug/kg	300	8270C	09/03/10 22:58	PL	129-00-0	1
2-Methylnaphthalene	1,200	ug/kg	300	8270C	09/03/10 22:58	PL	91-57-6	1
1-Methylnaphthalene	1,200	ug/kg	300	8270C	09/03/10 22:58	PL	90-12-0	1
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	2,300	ug/kg	200	8260B/5035	09/07/10 20:57	JGH	60-29-7	2

1-Dry Weight Spike: 1.9 mg/kg
2-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg

Lab Sample ID: S45567.09 (continued)
Sample Tag: TP-2 SS-4 3' MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Acetone	2,000	ug/kg	1,000	8260B/5035	09/07/10 20:57	JGH	67-64-1	1
Methyl iodide	2,800	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	74-88-4	1
Carbon disulfide	2,800	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	3,000	ug/kg	200	8260B/5035	09/07/10 20:57	JGH	1634-04-4	1
Acrylonitrile	2,800	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	107-13-1	1
2-Butanone (MEK)	2,900	ug/kg	900	8260B/5035	09/07/10 20:57	JGH	78-93-3	1
Dichlorodifluoromethane	3,400	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	75-71-8	1
Chloromethane	3,400	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	74-87-3	1
Vinyl chloride	3,470	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	75-01-4	1
Bromomethane	3,000	ug/kg	200	8260B/5035	09/07/10 20:57	JGH	74-83-9	1
Chloroethane	2,700	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	75-00-3	1
Trichlorofluoromethane	3,100	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	75-69-4	1
1,1-Dichloroethene	3,380	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	75-35-4	1
Methylene chloride	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	75-09-2	1
trans-1,2-Dichloroethene	3,180	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	156-60-5	1
1,1-Dichloroethane	2,980	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	75-34-3	1
cis-1,2-Dichloroethene	3,070	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	156-59-2	1
Tetrahydrofuran	3,000	ug/kg	1,000	8260B/5035	09/07/10 20:57	JGH	109-99-9	1
Chloroform	3,050	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	67-66-3	1
Bromochloromethane	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	74-97-5	1
1,1,1-Trichloroethane	3,240	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	8260B/5035	09/07/10 20:57	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	3,000	8260B/5035	09/07/10 20:57	JGH	591-78-6	1
Carbon tetrachloride	3,130	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	56-23-5	1
Benzene	3,020	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	71-43-2	1
1,2-Dichloroethane	3,060	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	107-06-2	1
Trichloroethene	3,080	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	79-01-6	1
1,2-Dichloropropane	3,000	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	78-87-5	1
Bromodichloromethane	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	75-27-4	1
Dibromomethane	3,000	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	74-95-3	1
cis-1,3-Dichloropropene	3,010	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	10061-01-5	1
Toluene	3,100	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	108-88-3	1
trans-1,3-Dichloropropene	3,090	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	10061-02-6	1
1,1,2-Trichloroethane	3,220	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	79-00-5	1
Tetrachloroethene	2,970	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	2,930	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	110-57-6	1
Dibromochloromethane	2,800	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	124-48-1	1
1,2-Dibromoethane	2,910	ug/kg	20	8260B/5035	09/07/10 20:57	JGH	106-93-4	1M
Chlorobenzene	2,890	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	2,800	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	630-20-6	1
Ethylbenzene	3,070	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	100-41-4	1
p,m-Xylene	6,200	ug/kg	100	8260B/5035	09/07/10 20:57	JGH		1
o-Xylene	3,100	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	95-47-6	1
Styrene	2,850	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	100-42-5	1
Isopropylbenzene	2,900	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	98-82-8	1
Bromoform	2,600	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	2,840	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	79-34-5	1

1-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg
M-Result reported to MDL not RDL

Lab Sample ID: S45567.09 (continued)
Sample Tag: TP-2 SS-4 3' MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	2,900	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	96-18-4	1
n-Propylbenzene	3,100	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	103-65-1	1
Bromobenzene	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	108-86-1	1
1,3,5-Trimethylbenzene	3,100	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	108-67-8	1
tert-Butylbenzene	3,080	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	98-06-6	1
1,2,4-Trimethylbenzene	3,200	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	95-63-6	1
sec-Butylbenzene	3,180	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	135-98-8	1
p-Isopropyltoluene	3,300	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	99-87-6	1
1,3-Dichlorobenzene	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	541-73-1	1
1,4-Dichlorobenzene	2,900	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	106-46-7	1
1,2-Dichlorobenzene	2,900	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	95-50-1	1
1,2,3-Trimethylbenzene	3,000	ug/kg	100	8260B/5035	09/07/10 20:57	JGH	526-73-8	1
n-Butylbenzene	3,150	ug/kg	60	8260B/5035	09/07/10 20:57	JGH	104-51-8	1
Hexachloroethane	2,700	ug/kg	400	8260B/5035	09/07/10 20:57	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	2,700	ug/kg	300	8260B/5035	09/07/10 20:57	JGH	96-12-8	1
1,2,4-Trichlorobenzene	2,800	ug/kg	400	8260B/5035	09/07/10 20:57	JGH	120-82-1	1
1,2,3-Trichlorobenzene	2,800	ug/kg	400	8260B/5035	09/07/10 20:57	JGH	87-61-6	1
Naphthalene	2,900	ug/kg	400	8260B/5035	09/07/10 20:57	JGH	91-20-3	1
2-Methylnaphthalene	3,100	ug/kg	400	8260B/5035	09/07/10 20:57	JGH	91-57-6	1

1-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg

Analytical Laboratory Report

Lab Sample ID: S45567.10
Sample Tag: TP-2 SS-4 3' MSD
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	90	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	20	ug/kg	330	8082	09/06/10 21:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 21:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 21:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 21:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 21:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 21:55	JANB	11097-69-1	
PCB-1260	20	ug/kg	330	8082	09/06/10 21:55	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	1,300	ug/kg	300	8270C	09/03/10 23:21	PL	83-32-9	1
Acenaphthylene	1,400	ug/kg	300	8270C	09/03/10 23:21	PL	208-96-8	1
Anthracene	1,200	ug/kg	300	8270C	09/03/10 23:21	PL	120-12-7	1
Benzo(a)anthracene	1,500	ug/kg	300	8270C	09/03/10 23:21	PL	56-55-3	1
Benzo(a)pyrene	1,500	ug/kg	300	8270C	09/03/10 23:21	PL	50-32-8	1
Benzo(b)fluoranthene	1,700	ug/kg	300	8270C	09/03/10 23:21	PL	205-99-2	1
Benzo(k)fluoranthene	1,500	ug/kg	300	8270C	09/03/10 23:21	PL	207-08-9	1
Benzo(ghi)perylene	600	ug/kg	300	8270C	09/03/10 23:21	PL	191-24-2	1
Chrysene	1,400	ug/kg	300	8270C	09/03/10 23:21	PL	218-01-9	1
Dibenzo(ah)anthracene	700	ug/kg	300	8270C	09/03/10 23:21	PL	53-70-3	1
Fluoranthene	1,300	ug/kg	300	8270C	09/03/10 23:21	PL	206-44-0	1
Fluorene	1,400	ug/kg	300	8270C	09/03/10 23:21	PL	86-73-7	1
Indeno(1,2,3-cd)pyrene	700	ug/kg	300	8270C	09/03/10 23:21	PL	193-39-5	1
Naphthalene	1,200	ug/kg	300	8270C	09/03/10 23:21	PL	91-20-3	1
Phenanthrene	1,200	ug/kg	300	8270C	09/03/10 23:21	PL	85-01-8	1
Pyrene	1,600	ug/kg	300	8270C	09/03/10 23:21	PL	129-00-0	1
2-Methylnaphthalene	1,200	ug/kg	300	8270C	09/03/10 23:21	PL	91-57-6	1
1-Methylnaphthalene	1,100	ug/kg	300	8270C	09/03/10 23:21	PL	90-12-0	1
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	2,500	ug/kg	200	8260B/5035	09/07/10 21:17	JGH	60-29-7	2

1-Dry Weight Spike: 1.9 mg/kg
2-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg

Lab Sample ID: S45567.10 (continued)
Sample Tag: TP-2 SS-4 3' MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Acetone	2,000	ug/kg	1,000	8260B/5035	09/07/10 21:17	JGH	67-64-1	1
Methyl iodide	3,100	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	74-88-4	1
Carbon disulfide	3,100	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	3,300	ug/kg	200	8260B/5035	09/07/10 21:17	JGH	1634-04-4	1
Acrylonitrile	3,300	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	107-13-1	1
2-Butanone (MEK)	3,100	ug/kg	900	8260B/5035	09/07/10 21:17	JGH	78-93-3	1
Dichlorodifluoromethane	3,500	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	75-71-8	1
Chloromethane	3,600	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	74-87-3	1
Vinyl chloride	3,650	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	75-01-4	1
Bromomethane	3,200	ug/kg	200	8260B/5035	09/07/10 21:17	JGH	74-83-9	1
Chloroethane	2,900	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	75-00-3	1
Trichlorofluoromethane	3,400	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	75-69-4	1
1,1-Dichloroethene	3,590	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	75-35-4	1
Methylene chloride	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	75-09-2	1
trans-1,2-Dichloroethene	3,480	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	156-60-5	1
1,1-Dichloroethane	3,250	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	75-34-3	1
cis-1,2-Dichloroethene	3,320	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	156-59-2	1
Tetrahydrofuran	3,000	ug/kg	1,000	8260B/5035	09/07/10 21:17	JGH	109-99-9	1
Chloroform	3,290	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	67-66-3	1
Bromochloromethane	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	74-97-5	1
1,1,1-Trichloroethane	3,590	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	3,000	ug/kg	3,000	8260B/5035	09/07/10 21:17	JGH	108-10-1	1
2-Hexanone	3,000	ug/kg	3,000	8260B/5035	09/07/10 21:17	JGH	591-78-6	1
Carbon tetrachloride	3,510	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	56-23-5	1
Benzene	3,360	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	71-43-2	1
1,2-Dichloroethane	3,390	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	107-06-2	1
Trichloroethene	3,330	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	79-01-6	1
1,2-Dichloropropane	3,230	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	78-87-5	1
Bromodichloromethane	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	75-27-4	1
Dibromomethane	3,300	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	74-95-3	1
cis-1,3-Dichloropropene	3,240	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	10061-01-5	1
Toluene	3,400	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	108-88-3	1
trans-1,3-Dichloropropene	3,340	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	10061-02-6	1
1,1,2-Trichloroethane	3,470	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	79-00-5	1
Tetrachloroethene	3,120	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	3,680	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	110-57-6	1
Dibromochloromethane	3,000	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	124-48-1	1
1,2-Dibromoethane	3,270	ug/kg	20	8260B/5035	09/07/10 21:17	JGH	106-93-4	1M
Chlorobenzene	3,120	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	3,100	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	630-20-6	1
Ethylbenzene	3,360	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	100-41-4	1
p,m-Xylene	6,800	ug/kg	100	8260B/5035	09/07/10 21:17	JGH		1
o-Xylene	3,400	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	95-47-6	1
Styrene	3,080	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	100-42-5	1
Isopropylbenzene	3,200	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	98-82-8	1
Bromoform	2,900	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	3,250	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	79-34-5	1

1-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg
M-Result reported to MDL not RDL

Lab Sample ID: S45567.10 (continued)
Sample Tag: TP-2 SS-4 3' MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	3,500	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	96-18-4	1
n-Propylbenzene	3,400	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	103-65-1	1
Bromobenzene	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	108-86-1	1
1,3,5-Trimethylbenzene	3,400	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	108-67-8	1
tert-Butylbenzene	3,480	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	98-06-6	1
1,2,4-Trimethylbenzene	3,500	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	95-63-6	1
sec-Butylbenzene	3,460	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	135-98-8	1
p-Isopropyltoluene	3,500	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	99-87-6	1
1,3-Dichlorobenzene	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	541-73-1	1
1,4-Dichlorobenzene	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	106-46-7	1
1,2-Dichlorobenzene	3,200	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	95-50-1	1
1,2,3-Trimethylbenzene	3,300	ug/kg	100	8260B/5035	09/07/10 21:17	JGH	526-73-8	1
n-Butylbenzene	3,530	ug/kg	60	8260B/5035	09/07/10 21:17	JGH	104-51-8	1
Hexachloroethane	3,100	ug/kg	400	8260B/5035	09/07/10 21:17	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	3,200	ug/kg	300	8260B/5035	09/07/10 21:17	JGH	96-12-8	1
1,2,4-Trichlorobenzene	3,100	ug/kg	400	8260B/5035	09/07/10 21:17	JGH	120-82-1	1
1,2,3-Trichlorobenzene	3,200	ug/kg	400	8260B/5035	09/07/10 21:17	JGH	87-61-6	1
Naphthalene	3,500	ug/kg	400	8260B/5035	09/07/10 21:17	JGH	91-20-3	1
2-Methylnaphthalene	3,800	ug/kg	400	8260B/5035	09/07/10 21:17	JGH	91-57-6	1

1-No tare weight.Assumed 1:1. Spiked at 2.5mg/kg

Analytical Laboratory Report

Lab Sample ID: S45567.11
Sample Tag: Duplicate
Collected Date/Time: 09/02/2010
Matrix: Soil
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.4	IR
1	40ml Glass	MeOH	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	09/03/10 8:31	ADB		
PNA Extraction	Completed			3550B	09/02/10 23:56	EMR		
Inorganics								
Total Solids	80	%	1	Std M 2540 B	09/03/10 16:28	WAR		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/06/10 23:18	JANB	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	91-57-6	
1-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/03/10 20:39	PL	90-12-0	
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	8260B/5035	09/07/10 18:41	JGH	60-29-7	1
Acetone	Not detected	ug/kg	2,000	8260B/5035	09/07/10 18:41	JGH	67-64-1	1

1-No tare weight.Assumed 1:1

Lab Sample ID: S45567.11 (continued)
Sample Tag: Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Methyl iodide	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	8260B/5035	09/07/10 18:41	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	107-13-1	1
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B/5035	09/07/10 18:41	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	75-71-8	1
Chloromethane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	75-01-4	1
Bromomethane	Not detected	ug/kg	300	8260B/5035	09/07/10 18:41	JGH	74-83-9	1
Chloroethane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	75-35-4	1
Methylene chloride	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/kg	2,000	8260B/5035	09/07/10 18:41	JGH	109-99-9	1
Chloroform	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	67-66-3	1
Bromochloromethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	8260B/5035	09/07/10 18:41	JGH	108-10-1	1
2-Hexanone	Not detected	ug/kg	4,000	8260B/5035	09/07/10 18:41	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	56-23-5	1
Benzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	107-06-2	1
Trichloroethene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	78-87-5	1
Bromodichloromethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	75-27-4	1
Dibromomethane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	10061-01-5	1
Toluene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	79-00-5	1
Tetrachloroethene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/kg	30	8260B/5035	09/07/10 18:41	JGH	106-93-4	1M
Chlorobenzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	630-20-6	1
Ethylbenzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	100-41-4	1
p,m-Xylene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH		1
o-Xylene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	95-47-6	1
Styrene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	100-42-5	1
Isopropylbenzene	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	98-82-8	1
Bromoform	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	79-34-5	1
1,2,3-Trichloropropane	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	96-18-4	1

1-No tare weight.Assumed 1:1
M-Result reported to MDL not RDL

Lab Sample ID: S45567.11 (continued)
Sample Tag: Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
n-Propylbenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	103-65-1	1
Bromobenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	108-86-1	1
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	98-06-6	1
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	95-63-6	1
sec-Butylbenzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	135-98-8	1
p-Isopropyltoluene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	95-50-1	1
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	8260B/5035	09/07/10 18:41	JGH	526-73-8	1
n-Butylbenzene	Not detected	ug/kg	80	8260B/5035	09/07/10 18:41	JGH	104-51-8	1
Hexachloroethane	Not detected	ug/kg	500	8260B/5035	09/07/10 18:41	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	8260B/5035	09/07/10 18:41	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/07/10 18:41	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	8260B/5035	09/07/10 18:41	JGH	87-61-6	1
Naphthalene	Not detected	ug/kg	500	8260B/5035	09/07/10 18:41	JGH	91-20-3	1
2-Methylnaphthalene	Not detected	ug/kg	500	8260B/5035	09/07/10 18:41	JGH	91-57-6	1

1-No tare weight.Assumed 1:1

Analytical Laboratory Report

Lab Sample ID: S45567.12
Sample Tag: Field
Collected Date/Time: 09/02/2010
Matrix: Liquid
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	4.4	IR
2	40ml Glass	HCL	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	09/03/10 17:22	JGH	60-29-7	1
Acetone	Not detected	ug/L	50	8260B	09/03/10 17:22	JGH	67-64-1	1
Methyl iodide	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	74-88-4	1
Carbon disulfide	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	1634-04-4	1
Acrylonitrile	Not detected	ug/L	2	8260B	09/03/10 17:22	JGH	107-13-1	1
2-Butanone (MEK)	Not detected	ug/L	30	8260B	09/03/10 17:22	JGH	78-93-3	1
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	75-71-8	1
Chloromethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	74-87-3	1
Vinyl chloride	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-01-4	1
Bromomethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	74-83-9	1
Chloroethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	75-00-3	1
Trichlorofluoromethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-69-4	1
1,1-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-35-4	1
Methylene chloride	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	75-09-2	1
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	156-60-5	1
1,1-Dichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-34-3	1
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/L	90	8260B	09/03/10 17:22	JGH	109-99-9	1
Chloroform	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	67-66-3	1
Bromochloromethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	74-97-5	1
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	09/03/10 17:22	JGH	108-10-1	1
2-Hexanone	Not detected	ug/L	50	8260B	09/03/10 17:22	JGH	591-78-6	1
Carbon tetrachloride	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	56-23-5	1
Benzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	71-43-2	1
1,2-Dichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	107-06-2	1
Trichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	79-01-6	1
1,2-Dichloropropane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	78-87-5	1
Bromodichloromethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-27-4	1
Dibromomethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	74-95-3	1
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	10061-01-5	1
Toluene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	108-88-3	1
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	10061-02-6	1
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	79-00-5	1
Tetrachloroethene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	110-57-6	1
Dibromochloromethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	124-48-1	1
1,2-Dibromoethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	106-93-4	1
Chlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	108-90-7	1

1-Preserved at lab

Lab Sample ID: S45567.12 (continued)
Sample Tag: Field

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	630-20-6	1
Ethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	100-41-4	1
p,m-Xylene	Not detected	ug/L	2	8260B	09/03/10 17:22	JGH		1
o-Xylene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	95-47-6	1
Styrene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	100-42-5	1
Isopropylbenzene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	98-82-8	1
Bromoform	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	79-34-5	1
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	96-18-4	1
n-Propylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	103-65-1	1
Bromobenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	108-86-1	1
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	108-67-8	1
tert-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	98-06-6	1
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	95-63-6	1
sec-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	135-98-8	1
p-Isopropyltoluene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	99-87-6	1
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	541-73-1	1
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	106-46-7	1
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	95-50-1	1
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	526-73-8	1
n-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:22	JGH	104-51-8	1
Hexachloroethane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	96-12-8	1
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	120-82-1	1
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	87-61-6	1
Naphthalene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	91-20-3	1
2-Methylnaphthalene	Not detected	ug/L	5	8260B	09/03/10 17:22	JGH	91-57-6	1

1-Preserved at lab

Analytical Laboratory Report

Lab Sample ID: S45567.13
Sample Tag: Trip
Collected Date/Time: 09/02/2010
Matrix: Liquid
COC Reference: 54334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	8260B	09/03/10 17:42	JGH	60-29-7	
Acetone	Not detected	ug/L	50	8260B	09/03/10 17:42	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	8260B	09/03/10 17:42	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	09/03/10 17:42	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	8260B	09/03/10 17:42	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	09/03/10 17:42	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	09/03/10 17:42	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	100-41-4	

Lab Sample ID: S45567.13 (continued)
Sample Tag: Trip

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
p,m-Xylene	Not detected	ug/L	2	8260B	09/03/10 17:42	JGH		
o-Xylene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	09/03/10 17:42	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	09/03/10 17:42	JGH	91-57-6	

Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

54334

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Tom Szoucski
COMPANY: AKT PEERLESS
ADDRESS: 22725 ORCHARD LAKE
CITY: FARMINGTON STATE: MI ZIP CODE: 48336
PHONE NO.: 248 615 1333 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: SZOUCNSKI@AKTPEERLESS.C QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 65885-4-20
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Tom Szoucski / T S

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOC	PNA	PCB	SPECIAL INSTRUCTIONS/NOTES
45567.01	9/2/10		TP-1 SS-1 4'	S	3	2					1		X	X	X	
.02	9/2/10		TP-1 SS-2 4'	S	3	2					1		X	X	X	
.03	9/2/10		TP-1 SS-3 4'	S	3	2					1		X	X	X	
.04	9/2/10		TP-1 SS-4 4'	S	3	2					1		X	X	X	
.05	9/2/10		TP-2 SS-1 3'	S	3	2					1		X	X	X	
.06	9/2/10		TP-2 SS-2 3'	S	3	2					1		X	X	X	
.07	9/2/10		TP-2 SS-3 3'	S	3	2					1		X	X	X	
.08/.09/.10	9/2/10		TP-2 SS-4 3'	S	5	2					3		X	X	X	MS/MSD
.11	9/2/10		DUPLICATE	S									X	X	X	
.12	9/2/10		FIELD	L									X			
.13	9/2/10		TRIP	L									X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 9/2/10	TIME 1230	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 9-2-10	TIME 1315
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE 9-2-10	TIME 1230	RECEIVED BY: SIGNATURE/ORGANIZATION Barbara Ruhed	DATE 9/2/10	TIME 15:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES. TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Appendix E

Test Pitting Photographs

PHOTOGRAPH 1: TEST PIT #1

PHOTOGRAPH 2: 550-GALLON UST ENCOUNTERED WITHIN TEST PIT #1. THE UST WAS IDENTIFIED TO HAVE BEEN CLOSED IN PLACE AND FILLED WITH CONCRETE.

AKTPEERLESS
environmental & energy services

TEST PITTING PHOTOGRAPHS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

TAKEN BY: TRS
DATE: 9/2/10

PROJECT NUMBER: 6588f-4-20

PHOTOGRAPH 3: 550-GALLON UST WITHIN TEST PIT #1

PHOTOGRAPH 4: TEST PIT #2

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environmental & energy services

TEST PITTING PHOTOGRAPHS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

TAKEN BY: TRS
DATE: 9/2/10

PROJECT NUMBER: 6588f-4-20

PHOTOGRAPH 5: 550-GALLON UST ENCOUNTERED WITHIN TEST PIT #2. THE UST WAS IDENTIFIED TO HAVE BEEN CLOSED IN PLACE AND FILLED WITH SAND.

PHOTOGRAPH 6: 550-GALLON UST WITHIN TEST PIT #2

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TEST PITTING PHOTOGRAPHS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

TAKEN BY: TRS
DATE: 9/2/10

PROJECT NUMBER: 6588f-4-20

PHOTOGRAPH 7: 550-GALLON UST WITHIN TEST PIT #2

PHOTOGRAPH 8: TEST PIT #2 BACKFILLED

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TEST PITTING PHOTOGRAPHS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

TAKEN BY: TRS
DATE: 9/2/10

PROJECT NUMBER: 6588f-4-20

PHOTOGRAPH 9: TEST PIT #1 BACKFILLED

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environmental & energy services

TEST PITTING PHOTOGRAPHS

3005 PACKARD ROAD
ANN ARBOR, MICHIGAN

TAKEN BY: TRS
DATE: 9/2/10

PROJECT NUMBER: 6588f-4-20