

FINAL REPORT

Site Investigation
Illinois Railway Property
Wedron, IL 60557

Illinois Railway, L.L.C.

October 2015



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Executive Summary

The Site Investigation for the Illinois Railway Property right-of-way (ROW) located in Wedron, Illinois was performed pursuant to an Administrative Order on Consent (AOC) with the U.S. Environmental Protection Agency (EPA Docket No. 05-2013-0014). The purpose of the limited investigation was to determine if impacted soil and groundwater are present along the Illinois Railway ROW. This report presents the findings of the Site Investigation in response to the requirements of the AOC and subsequent communications with USEPA. Throughout this document the Illinois Railway Property will be referred to as the Site. As part of the Site Investigation, CDM Smith Inc. (CDM Smith) performed additional subsurface soil and groundwater investigations on December 19 to 20, 2013, March 27 through April 9, 2014, and March 3 to 4, 2015.

The main line that generally runs north-south through Wedron, Illinois and the ROW are owned by Illinois Railway (see **Figure 1**). The Fairmount Minerals subsidiaries, Wedron Silica and Technisand Wedron, operate the railroad spurs. The investigation focused on an area of the railroad ROW approximately 140 feet by 1,000 feet.

The geology consists of approximately 2-5 feet of gravelly or silty sand overlying sandy and clayey silts. Sand and gravel seams were observed throughout. Sandstone was encountered in this area at approximately 18 to 25 feet below ground surface (bgs). Depth to groundwater within the soil borings ranged from approximately 502 to 507 feet above mean sea level (msl). Depth to groundwater as observed in the four monitoring wells ranged from approximately 501.84 feet above msl (GP/MW-13) to 507.49 feet above msl (GP/MW-15). The range is expected due to the variance in the surface elevations encountered.

Based on groundwater data collected by the multiple consultants working for the PRPs, IEPA, and USEPA, USEPA developed a groundwater gradient map which indicated groundwater is influenced by the pumping of Pit No. 3 and flows to the west-northwest.

Previous Investigations

The Illinois Railway ROW was formerly owned by the Burlington North Santa Fe (BNSF) Railway Company. The ROW was previously developed with multiple grain silos, including those owned by W.D. Grain Company. BNSF sold the Site to North American Railnet, Inc. in 1997 and the site was sold to Illinois Railway in 2005.

GZA GeoEnvironmental, Inc. (GZA) completed a Shallow Subsurface Investigation in April 2012 along the west side of the existing Technisand rail siding load out at the Fairmount Minerals/Wedron Silica Co. property. Twenty borings were completed to 6 feet bgs for the proposed railroad sidings to identify potential residual contaminants from historic operations. Analyses included benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons (TPH) as gasoline range organics (GRO). Soil staining and/or petroleum odors were not observed. TPH as GRO was detected in GP-1, GP-3, and GP-5. Benzene was detected in GP-3 above the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 soil component of groundwater ingestion exposure route for Class I and Class II groundwater.

An orphaned 750-gallon underground storage tank (UST #1) was removed from the north end of the Illinois Railway ROW on July 26, 2012. The Office of the State Fire Marshal (OSFM) determined that there was a release and issued leaking UST (LUST) No. 20120767 for the site. Approximately 80 tons of impacted soil was removed. Confirmatory samples did not indicate any additional exceedances for the TACO soil

remediation objectives (SROs). The IEPA issued a No Further Remediation (NFR) letter for the incident on August 30, 2012.

The 2012 Voluntary Environmental Site Assessment (ESA) completed by CDM Smith focused on the Areas of Concern (AOCs) identified in the previous investigations and historic maps. Six borings were completed in the area of the UST #1 removal. Five borings were completed in the area of the June 2012 diesel spill (SRA area) along the Illinois Railway. There were no exceedances of the TACO Tier 1 industrial/commercial SROs for BTEX or PNAs.

The 2012 Voluntary ESA also focused on the area surrounding GZA boring GP-3 which had indicated elevated BTEX concentrations. Eleven (11) borings were advanced to 20 feet bgs in the Wedron Silica (WS) Area (area around GP-3). Samples collected within the WS Area were submitted for analysis of BTEX and polynuclear aromatic hydrocarbons (PNAs) as well as four samples with elevated photoionization detector (PID) readings were analyzed for TPH. A temporary well was placed and developed within the downgradient location.

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion or inhalation SROs for BTEX or PNAs.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SROs at two (2), four (4), and one (1) sample location, respectively.
- The following analytes were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater: benzene, ethylbenzene, and xylenes. A benzene migration to groundwater exceedance was identified at two (2) soil boring; however, seven (7) boring locations indicated detection limits for benzene greater than the migration to groundwater SRO because of high concentrations of other target compounds. A number of samples were diluted due to the abundance of either target or non-target analytes. Elevated reporting limits (RLs) were provided. However, none of the non-detect samples from these seven (7) borings had method detection limits (MDL) that exceed the migration to groundwater SRO. Ethylbenzene migration to groundwater exceedances were identified at two (2) soil boring locations. Xylenes migration to groundwater exceedances were identified at two (2) soil boring locations.
- TPH was detected in two (2) of the four (4) samples, collected, WS-2-3 and WS-10-1. The characteristics of the constituents present do not resemble the diesel fuel standard (i.e., the heavier chain hydrocarbons typically comprising diesel fuel are not present).

CDM Smith also conducted a limited groundwater investigation at the Site in 2012. One (1) groundwater monitoring well (WS-1) was installed to an approximate depth of 18.5 feet (above the sandstone) at the furthest east location within the WS Area (see Figure 2). A groundwater sample was collected and analyzed for BTEX and PNAs. There were no exceedances of TACO's Class I or Class II groundwater remediation objectives (GROs).

A second orphaned 500-gallon UST (UST #2) was removed by B&B Construction & Excavation Company near the intersection of North 3462nd Road (Co Highway 21) and East 2153rd Road (Co Highway 11) on April 29, 2013. The OSFM determined that there was a release and the site was issued LUST No. 20130463. Approximately 30 cubic yards of impacted soil was removed. Confirmatory samples indicated the west wall exceeded the SROs for benzene, ethylbenzene, xylenes, and naphthalene. Observations of the UST removal and soil excavation did not indicate free product or gross contamination of the soil. Photographs of the UST removal are provided within **Appendix E**.

A third orphaned UST (UST #3) was identified on railroad property in November 2013 upon completion of a geophysical survey and test pits. CDM Smith provided oversight for the removal of UST #3 on December 12, 2013. The analytical results confirmed the Office of the State Fire Marshal's findings of no release (see **Appendix E**). Piping was determined to run from UST #2 and UST #3 to a central fill location between the two. Confirmatory samples indicated elevated BTEX levels associated with the piping from UST#2.

Current Investigation

The 2013-14 and 2015 Investigations focused on the WS Area. Eleven (11) borings were advanced to a maximum depth of 25 feet bgs on December 19 and 20, 2013. Four (4) borings with monitoring wells were completed to a maximum depth of 34 feet bgs on March 27 and 28, 2014. An additional six (6) borings were completed to a maximum depth of 20 feet on March 3 and 4, 2015. These sample locations were chosen to determine the horizontal extent of contamination to the north, east, and south of the WS Area. Samples collected were submitted for analysis of volatile organic compounds (VOCs) or benzene, toluene, ethylbenzene, and total xylenes (BTEX), semivolatile organic compounds (SVOCs) or polynuclear aromatic hydrocarbons (PNAs), total lead, and pH.

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion SROs for VOCs, SVOCs, or lead.
- Ethylbenzene was detected at concentrations greater than the TACO Tier 1 industrial/commercial inhalation SROs within GP-02B at 440 mg/kg. Xylenes were detected at concentrations greater than the TACO Tier 1 industrial/commercial inhalation SROs within GP-01B and GP-02B at 890 and 1700 mg/kg, respectively. SRO exceedances are shown on **Figure 3**. Therefore, the inhalation exposure pathway can be excluded as the contaminants are located greater than ten (10) feet of the land surface.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO at four (4), eight (8), and three (3) soil boring locations, respectively. SRO exceedances are shown on **Figure 3**. All but one (1) of the eight (8) borings with construction worker inhalation SRO exceedances are below ten (10) feet bgs. Safety precautions will be taken for future construction work in these areas.
- The following analytes were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater: ethylbenzene, toluene, xylenes, naphthalene, 2-methylnaphthalene, and lead. Exceedances of the migration to groundwater pathway for ethylbenzene were identified at five (5) soil boring locations (maximum 440 mg/kg). A toluene migration to groundwater exceedance was identified at one (1) soil boring location (39 mg/kg). SRO exceedances are shown on **Figure 4**. Xylenes migration to groundwater exceedances were identified at four (4) soil boring locations (maximum 1700 mg/kg). A naphthalene migration to groundwater exceedance was identified at one (1) soil boring location (16 mg/kg). Migration to groundwater exceedances for 2-methylnaphthalene were identified at five (5) soil boring locations (maximum 20 mg/kg). A lead migration to groundwater exceedance was identified at three (3) soil boring locations (maximum 150 mg/kg).
- Ten (10) samples collected from eight (8) boring locations were non-detect for benzene at reporting limits that exceed the migration to groundwater SRO because of high concentrations of non-target and other target compounds. Of these 10 samples, four samples had MDLs below the benzene migration to groundwater SRO. Therefore, six (6) samples had MDLs slightly above the benzene migration to groundwater SRO.

- CDM Smith completed a Data Verification Report at the request of the U.S. EPA. All data were validated to a Stage 2a as described in the Quality Assurance Project Plan (QAPP). All data were considered usable for project use. None of the data were rejected.

CDM Smith also conducted a limited groundwater investigation at the Site. Four (4) groundwater monitoring wells were installed to approximate depths ranging from 20 to 34 feet bgs. Well locations were chosen based on the initial soil sampling results. The four (4) wells were sampled on April 9, 2014.

- Benzene, ethylbenzene, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, naphthalene, and lead, were observed at concentrations greater than TACO's Class I groundwater remediation objectives (GROs). Benzene, ethylbenzene, 2-methylnaphthalene, and naphthalene GRO exceedances were identified in one (1) monitoring well; bis(2-ethylhexyl)phthalate GRO exceedances were identified in two (2) monitoring wells; and lead GRO exceedances were identified in three (3) monitoring wells.

Figure 6 illustrates the Class I groundwater assessment results.

CDM Smith completed a Data Verification Report at the request of the U.S. EPA. All data were validated to a Stage 2a as described in the Quality Assurance Project Plan (QAPP) (CDM Smith 2013). During sample collection, QA/QC samples were collected to evaluate accuracy, precision, and representativeness in the field processes. All data were considered usable; none of the data were rejected.

The highest concentrations of BTEX detected in soil have been along the western portion of the ROW (east-southeast of the former Hoxsey property which was the subject of an IEPA investigation). There were no benzene exceedances for the inhalation or ingestion pathways. There were three (3) benzene exceedances of the migration to groundwater pathway, with an additional eight (8) borings exhibiting exceedances of the detection limits for benzene. Only one (1) of the four (4) monitoring wells had minor BTEX exceedances in groundwater, MW-15, located just east of Wedron Silica.

Three (3) USTs have been removed from within the ROW. Confirmatory samples collected for UST #1 did not indicate any exceedances of the TACO SROs and the IEPA issued an NFR letter to close the LUST incident. Only one confirmatory sample (west wall) from UST #2 exceeded the TACO SROs for BTEX and naphthalene. The OSFM determined that there was not a release from UST #3, as supported by the confirmatory sample results.

Illinois Railway has completed all work required by the AOC for the Illinois Railway ROW consistent with the US EPA-approved workplan. CDM Smith compiled a cross section (Southwest to Northeast (A-A')) between GP-2 and GP-08 to show corresponding geology and elevations along with analytical results (see **Figure 5**). The primary data gap currently constraining the characterization of area groundwater contaminant migration relates to current and historical gravel pit dewatering and the corresponding influence such dewatering has/had on shallow groundwater migration. Illinois Railway operations have/had no influence on groundwater migration.

Section 1

Introduction

1.1 Introduction

The Site Investigation for the Illinois Railway Property right-of-way (ROW) located in Wedron, Illinois was performed pursuant to an Administrative Order on Consent (AOC) with the U.S. Environmental Protection Agency (EPA Docket No. 05-2013-0014). The purpose of the limited investigation was to determine if impacted soil and groundwater are present along the Illinois Railway ROW. This report presents the findings of the Site Investigation in response to the requirements of the AOC and subsequent communications with USEPA.

Throughout this document the ROW will be referred to as the Site. The Site location is shown on **Figure 1**. The Site is located in a mixed industrial/commercial and residential land use area.

This report presents the field investigation methods and procedures, results of the field investigation, conclusions, and recommendations.

1.2 Site Description

The main line that runs generally north-south through Wedron, Illinois and the ROW are owned by Illinois Railway. The Fairmount Minerals subsidiaries, Wedron Silica and Technisand Wedron, operate the railroad spurs. Wedron Silica operates the sand mining operation at the south end of town, with the main processing facility located south of County Highway 21. The Technisand Wedron facility is located north of Highway 21. The former Hoxsey gas station site, which was the subject of an IEPA investigation, is located across County Highway 21 to the west. The investigation focused on an area of the ROW approximately 140 feet by 1,000 feet. See **Figure 1**.

1.3 Previous Investigations

The Illinois Railway ROW was formerly owned by the Burlington North Santa Fe (BNSF) Railway Company. The ROW was previously developed with multiple grain silos, including a portion owned by the W.D. Grain Company.

GZA GeoEnvironmental, Inc. (GZA) completed a Shallow Subsurface Investigation in April 2012 along the west side of the existing Technisand rail siding load out at the Fairmount Minerals/Wedron Silica Co. property. This area was part of a new railroad siding construction project. Twenty (20) borings were completed to six (6) feet below ground surface (bgs) along an 850-foot portion in the area for the proposed railroad sidings to identify potential residual contaminants from historic operations. Analyses included benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons (TPH) as gasoline range organics (GRO). Soil staining and/or petroleum odors were not observed. Samples were submitted from GP-1 through GP-6 and GP-8 through GP-20. TPH as GRO was detected in GP-1, GP-3, and GP-5. Benzene was detected in GP-3 above the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 soil component of groundwater ingestion exposure route for Class I and Class II groundwater. A summary of soil analytical results compared to the Tier 1 soil remediation objectives (SROs) is provided in **Table 1**.

An orphaned 750-gallon underground storage tank (UST #1) was removed from the north end of the Illinois Railway ROW on July 26, 2012. The Office of the State Fire Marshal (OSFM) determined that there

was a release and issued leaking UST (LUST) No. 20120767 for the site. Approximately 80 tons of impacted soil was removed. Confirmatory samples did not indicate any additional exceedances for the TACO SROs. The IEPA issued a No Further Remediation (NFR) letter for the incident on August 30, 2012.

The 2012 Voluntary Environmental Site Assessment (ESA) focused on the Areas of Concern (AOCs) identified in the previous investigations and historic maps. These investigations indicated AOCs in connection with the Site based on historic use. Six (6) borings were completed in the area of the 750-gallon UST #1 removal. Five (5) borings were completed in the area of a June 2012 diesel spill (SRA area) along the Illinois Railway. There were no exceedances of the TACO Tier 1 industrial/commercial SROs for BTEX or polynuclear aromatic hydrocarbons (PNAs).

The 2012 Voluntary ESA also focused on the area surrounding GZA boring GP-3 which had elevated BTEX concentrations. Eleven (11) borings were advanced to 20 feet bgs in the WS Area (area around GP-3) as indicated on **Figure 2**. Samples collected within the WS Area were submitted for analysis of BTEX and PNAs since there was a gas station located west across Route 21 and historically there were oil storage areas along the east side of Route 21. In addition, four (4) samples with elevated photoionization detector (PID) readings were analyzed for TPH. A summary of soil analytical results compared to the Tier 1 SROs is provided in **Table 2**.

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion or inhalation SROs for BTEX or PNAs.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO at two (2), four (4), and one (1) sample location, respectively.
- The following analytes were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater: benzene, ethylbenzene, and xylenes. Benzene migration to groundwater exceedances was identified at two (2) soil borings; however, seven (7) samples had detection limits for benzene greater than the migration to groundwater SROs because of high concentrations of other target compounds. Ethylbenzene migration to groundwater exceedances was identified at two (2) soil boring locations. Xylenes migration to groundwater exceedances was identified at two (2) soil boring locations.
- TPH was detected in two (2) of the four (4) samples, collected, WS-2-3 and WS-10-1. The characteristics of the constituents present do not resemble the diesel fuel standard (i.e., the heavier chain hydrocarbons typically comprising diesel fuel are not present).

CDM Smith also conducted a limited groundwater investigation at the Site in 2012. One (1) temporary groundwater monitoring well (WS-1) was installed to an approximate depth of 18.5 feet at the furthest east location within the WS Area. A groundwater sample was collected and analyzed for BTEX and PNAs. There were no exceedances of TACO's Class I or Class II groundwater remediation objectives.

A second orphaned 500-gallon UST (UST #2) was removed by B&B Construction & Excavation Company near the intersection of North 3462nd Road (Co Highway 21) and East 2153rd Road (Co Highway 11) on April 29, 2013. The OSFM determined that there was a release. Subsequently, the site was issued LUST No. 20130463. Approximately 30 cubic yards of impacted soil were removed. Further excavation of impacted soil was limited due to the proximity of the Illinois ROW property line and the adjacent roadway. Confirmatory samples indicated the west wall exceeded the SROs for the soil component of groundwater ingestion exposure route for benzene (0.89 ppm) and ethylbenzene (17.0 ppm). Naphthalene (2.0 ppm) exceeds the construction worker Inhalation SRO. Observations of the UST removal and soil excavation did

not indicate free product or gross contamination of the soil. Photographs of the UST removal are provided within **Appendix E**.

A third orphaned UST (UST #3) was identified on railroad property in November 2013 upon completion of a geophysical survey and test pits. CDM Smith provided oversight for the removal of UST #3 on December 12, 2013. The analytical results confirmed the OFSM's findings of no release (see **Appendix E**). Piping was determined to run from UST #2 and UST #3 to a central fill location between the two. Confirmatory samples indicated elevated BTEX levels associated with the piping from UST#2.

1.4 Scope of Work

The objective of the Site Investigation was to determine if historical uses of the Site have impacted the Site resulting in exceedances of the industrial/commercial standards of the Illinois Environmental Protection Agency's (IEPA) TACO guidelines (35 IAC 742). The primary focus of this investigation was to assess the potential impacts from former Site operations, past releases, and potential offsite sources.

CDM Smith completed the following tasks as part of the Site Investigation:

1. Prepared a Site-specific health and safety plan for work to be performed at the facility.
2. Coordinated a public utility location prior to the subsurface investigation.
3. Performed soil sampling at 21 locations at the Site to assess potential contamination in subsurface soils.
4. Converted four (4) of the 21 soil sampling locations into 2-inch diameter monitoring wells.
5. Collected groundwater samples from each of the four (4) monitoring wells via low-flow techniques.
6. Prepared this Site Investigation report.

This report is divided into five (5) sections, including this introduction (Section 1). The remaining sections contain the following information:

- **Section 2:** Methods and procedures used during the Site investigation.
- **Section 3:** Results of the Site investigation.
- **Section 4:** Conclusions.
- **Section 5:** References used to prepare this report.

Section 2

Field Investigation Methods & Procedures

2.1 Methods and Procedures

CDM Smith performed Site investigation activities at the Site in three (3) phases on December 19 to 20, 2013, March 27 to April 9, 2014, and March 3 to 4, 2015. The purpose of the Site investigation was to obtain data to identify and assess environmental conditions at the Site. The following sections describe the investigation activities.

Before drilling was conducted, public utilities were notified using the Joint Utility Locating Information for Excavators (JULIE) service to identify and mark known underground utilities.

2.2 Subsurface Soil Investigation

The subsurface soil investigation was conducted at the Site on December 19-20, 2013, March 27-28, 2014, and March 3-4, 2015. As part of the subsurface investigation, a total of 21 soil borings were advanced to assess soil quality beneath the Site at the locations shown in **Figure 2**.

Twenty-one (21) soil borings (GP1 through GP21) were completed using a direct-push drilling rig (Geoprobe®). Soil was collected continuously in 5-foot intervals to depths of 20-25 feet below ground surface (bgs) to refusal (assumed top of bedrock). Subsurface soils were collected by driving a stainless steel barrel, lined with a disposable acetate liner, into the subsurface. Upon removal of the stainless steel barrel, the acetate liner was removed and cut open for characterization and sampling. Soils were field screened for volatile organic compounds (VOC) with a PID. PID screening readings were obtained after retrieval of the entire column and recorded on the boring log form. Two (2) samples were collected from each boring (42 total) based on the field screening results. Shallow samples were collected from within the 0-10 feet bgs interval. Deep sample depths were based on PID readings, odors or stains observed and any other olfactory observations.

CDM Smith utilized 5035 kits/En Core samplers for volatile organic compound (VOC) soil samples. The VOC samples were placed in 40-ml vials preserved with methanol and sodium bisulfate. All samples were placed on ice and cooled to 4 degrees Celsius.

A field scientist classified soils according to the Unified Soil Classification System (USCS) and recorded soil boring details on a field form. The boring logs are included in **Appendix A**. All sampling and down-hole equipment was decontaminated prior to use and in between samples using an Alconox® wash followed by a distilled water rinse. After completing the soil borings, the boreholes were abandoned using surplus soil and/or bentonite chips.

The soil samples were logged, properly labeled, placed in iced coolers and delivered to TestAmerica using standard chain-of-custody procedures. Soil samples were collected in laboratory-provided containers, stored on ice in coolers and submitted to the laboratory for analysis within 24 hours of collection. Each sample was analyzed for VOCs, semi-volatile organic compounds (SVOC), and lead. A complete laboratory analytical report and chain-of custody forms are provided in **Appendix B**.

2.3 Groundwater Investigation

Four (4) soil borings were converted to groundwater monitoring wells in March-April 2014 and installed at depths ranging from 20 to 34 feet bgs. These wells were screened within the sandstone layer (ranging from 3 to 9 feet into the sandstone) as requested by the U.S. EPA. The monitoring well locations (see **Figure 2**) were chosen to determine the extent of any groundwater contamination and were submitted to U.S. EPA for approval prior to installation. Monitoring wells were placed in assumed upgradient and downgradient locations compared to the highest contamination levels of BTEX to determine what concentrations were present. Illinois Railway added a fourth monitoring well (MW-15) along the eastern ROW boundary shared with Wedron Silica. At the direction of the U.S. EPA's hydrogeologist, the monitoring well was placed as far north as it could while staying within the Illinois Railway ROW. In addition, the IEPA had placed MW101 in the vicinity of the highest soil results.

The wells were constructed of 2-inch diameter PVC riser with a 10-foot section of 0.010-inch slotted screen. The wells were installed following industry standards and were developed by surging and pumping using a whale pump until water ran clear. Locations were recorded with Trimble GPS equipment and the elevations surveyed.

Before sampling on April 9, 2014, CDM Smith collected depth-to-water measurements at all four (4) locations. Groundwater level measurements were also collected on April 17, 2014. Stagnant groundwater was purged from the well prior to sample collection. Purge water was monitored for water quality parameters using a YSI multi-meter with flow-through cell. Details of groundwater purging, water quality measurements and sample collection were recorded on a field sampling form included in **Appendix D**. Water quality parameters were recorded at a minimum interval of every five minutes. Groundwater quality parameters measured include:

- Dissolved oxygen (DO)
- Oxidation reduction potential (ORP)
- pH
- Temperature
- Conductivity
- Turbidity

A submersible pump (Geotech SS Geosub) was utilized to collect the groundwater samples. Monitoring wells were purged at a maximum flow rate of 500 milliliters per minute (mL/min) and samples were collected at a maximum flow rate of 250 mL/min, or as low as possible while still maintaining flow. VOC water samples were placed in 40-ml vials preserved with hydrochloric acid (HCl). PNA water samples were placed in amber 1-liter bottles. Total lead water samples were placed in bottles preserved with nitric acid (HNO₃). All samples were placed on ice and cooled to 4 degrees Celsius.

The groundwater samples were analyzed for VOCs, SVOCs, and total lead. Samples were logged, labeled, and placed on ice in a cooler for transport to the laboratory using standard chain-of-custody procedures. Laboratory analytical reports and chain-of custody forms are provided in **Appendix B**.

2.4 Laboratory Analysis

Soil and groundwater samples were submitted to TestAmerica of University Park, Illinois, an IEPA-accredited laboratory, for analysis using standard chain-of-custody procedures. Upon arrival, the

laboratory checked that the samples were properly labeled, correctly stored, and sample containers were correctly preserved. TestAmerica performed the analyses in accordance with the Quality Assurance/Quality Control (QA/QC) procedures set forth for each analytical method in USEPA SW-846 (USEPA 1996) as well as their own established QA/QC procedures.

2.5 Quality Assurance/Quality Control

CDM Smith prepared a Field Sampling Quality Assurance Project Plan (QAPP-CDM Smith 2013) approved by the EPA prior to initiating fieldwork. All data was validated to a Stage 2a as described in the QAPP. During sample collection, QA/QC samples were collected to evaluate accuracy, precision and representativeness in the field processes. Field duplicates were collected at a frequency of 10 percent. Trip blanks were included in coolers containing samples for the analysis of volatile compounds and one field blank was included. A summary of the data validation findings are provided for each laboratory sample delivery group in **Appendix C**.

Data validation was performed according to the QAPP, the analytical methods, and EPA's Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (EPA June 2008) and the National Functional Guidelines (NFGs) for Inorganic Superfund Data Review (EPA 2010).

A number of samples were diluted due to the abundance of either target or non-target analytes. Elevated reporting limits (RLs) are provided.

2.5.1 Field QA/QC

Quality control activities were performed in the field in accordance with the QAPP. These activities included:

- Collection of field duplicates
- Collection of field blanks

The QAPP Field duplicate acceptance criterion was 50% relative percent difference (RPD). In accordance with the NFGs, a criteria based on the difference between the results in relation to the reporting limit value was used to assess compliance when the results of either the native sample or the field duplicate were less than 5 times the reporting limit. Specific volatile compound results for ethylbenzene, toluene and xylene were qualified as estimated. Only the native sample associated with the duplicate comparison was qualified. Select semivolatile results and lead were qualified on the basis of the field duplicate results as well. See the data validation worksheet for specific samples, compounds and RPDs.

Field blank results were all less than the laboratory reporting limit and no qualifiers were applied based on field blank data.

2.5.2 Analytical Data QA/QC

Samples were sent to TestAmerica Chicago. Samples for volatile analysis were collected in field preserved methanol vials. Approximately 5 grams of soil were added to 5 grams of methanol in field preserved kits. The sample vial was purged directly when the concentrations of the volatile compounds allowed a direct purge. When concentrations of volatile compounds exceeded the calibration range of the instrument, an aliquot of the methanol was purged in deionized water and the reporting limits were raised accordingly.

Quality control samples, including method blanks, matrix spike (MS) and matrix spike duplicate (MSD) analyses, field duplicate results, and laboratory control samples (LCSs) were analyzed in accordance with the methods. Analytical surrogates were added to samples during analysis for organic compounds. The

percent recovery of surrogate 2-fluorobiphenyl exceeded acceptance levels in the analysis of sample GP-02B-131219 and associated compounds as defined in the NFGs were qualified as estimated with a possible high bias (J+). The recovery of two (2) phthalate compounds in an LCS exceeded acceptance level in one analytical batch, and results for associated compounds were qualified as estimated with a possible high bias (J+) when detected.

Data were reported at concentrations below the lowest calibration standard and down to the laboratory's statistically-derived method detection limit (MDL). The RL is generally equivalent to the low concentration level standard in the calibration; however, the laboratory will report detections to down to the instrument-specific MDL. The MDL is described by the EPA in 40 CFR Part 136 Appendix B as "the minimum concentration of a substance that can be measured and reported with a 99 percent confidence that the analyte concentration is greater than zero". This value is generated by statistical analysis of multiple analyses of a low-level standard. Values between the MDL and the RL are flagged as estimated (J).

2.5.3 Data Completeness and Usability

CDM Smith completed a Data Verification Report (**Appendix C**) at the request of the U.S. EPA. All data were validated to a Stage 2a as described in the Quality Assurance Project Plan (QAPP) (CDM Smith 2013). All data were considered usable for project use. None of the data were rejected. Some analytical results were estimated on the basis of MS and MSD analyses, field duplicate results, and a LCS recovery that exceeded the QAPP defined criteria. Data that are estimated, shown with a "J" flag on the result, are considered usable. They are flagged to notify the data user that quality control outliers were associated with the generation of the data.

Section 3

Results of the Field Investigation

3.1 Surface and Subsurface Conditions

The following descriptions of the surface and subsurface conditions at the Site are based on field observations and the boring logs (refer to **Appendix A**) created during this investigation.

The surficial geology consists of approximately 2-5 feet of gravelly or silty sand overlying sandy and clayey silts. Sand and gravel seams were observed throughout. Sandstone was encountered in this area at approximately 18 to 20 feet bgs. Depth to groundwater observed within the soil borings ranged from approximately 6 to 27 feet bgs due to the variance of surface grades between the upper road and the rail lines. Depth to groundwater as observed in the four (4) monitoring wells ranged from 501.41 msl (MW-13) to 507.46 msl (MW-15).

Table 3. Groundwater Field Measurements

Well	Top of Casing Elevation	Depth to water (ft) April 9, 2014	Groundwater elevation (ft) April 9, 2014	Depth to water (ft) April 17, 2014	Groundwater elevation (ft) April 17, 2014
MW-12	521.30	17.34	503.96	17.65	503.65
MW-13	529.25	27.41	501.84	27.84	501.41
MW-14	529.18	23.185	505.995	25.78	503.40
MW-15	521.31	13.82	507.49	13.85	507.46

Soil borings GP-09, GP-10, GP-13, and GP-16-21 had PID readings ranging from 0.0 parts per billion (ppb) to 10.8 parts per million (ppm). The remaining twelve (12) borings had PID readings greater than 50 ppm, with soil borings GP-02, GP-03, GP-05, GP-06, GP-07, GP-11, and GP-15 exceeding 490 ppm. The highest readings were generally between 508-517 feet msl. This horizon exhibited faint to strong fuel odors as well as staining.

3.2 Analytical Soil Results

A total of 42 soil samples were analyzed at the laboratory. The complete laboratory report is provided in **Appendix B**. Results were compared to the Tier 1 SRO from Illinois TACO regulations (35 IAC 742) for the industrial/commercial and construction worker scenarios. The TACO regulations outline procedures to develop remediation objectives for soil and groundwater based on risks to human health, taking into account the existing pathways for human exposure and the current and future use of the Site. The methodology consists of a three-tiered approach for establishing remediation objectives.

This review for the Site was conducted under TACO Tier 1, which considers limited Site-specific information and specifies generic remediation objectives based on simple and conservative numeric models. Tier 1 SROs are pre-determined remediation objectives established by the IEPA using toxicological and chemical specific parameters. The soil sample results were compared to Tier 1 SROs for the ingestion, inhalation for industrial/commercial and construction worker scenarios and the soil component of the groundwater ingestion exposure routes for Class I and Class II groundwater. A summary of soil analytical results compared to the Tier 1 SROs are provided in **Tables 4-8**. SRO exceedances are shown on **Figures 3 and 4**.

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion SROs for VOCs, SVOCs, or lead.
- Ethylbenzene and xylenes were detected at concentrations greater than the TACO Tier 1 industrial/commercial inhalation SROs at one (1) and three (3) soil boring locations, respectively. The inhalation exposure pathway can be excluded as the contaminants are located greater than ten (10) feet bgs.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO at four (4), eight (8), and three (3) soil boring locations, respectively. All but one (1) of the eight (8) borings with construction worker inhalation SRO exceedances are below ten (10) feet bgs.
- The following analytes were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater: ethylbenzene, toluene, xylenes, naphthalene, 2-methylnaphthalene, and lead. Exceedances of the migration to groundwater pathway for ethylbenzene were identified at five (5) soil boring locations. A toluene migration to groundwater exceedance was identified at one (1) soil boring location. Xylenes migration to groundwater exceedances were identified at four (4) soil boring locations. A naphthalene migration to groundwater exceedance was identified at one (1) soil boring location. Migration to groundwater exceedances for 2-methylnaphthalene were identified at five (5) soil boring locations. A lead migration to groundwater exceedance was identified at three (3) soil boring locations.
- Ten (10) samples collected from eight (8) boring locations were non-detect for benzene at reporting limits that exceed the migration to groundwater SRO because of high concentrations of non-target and other target compounds. Of these 10 samples, four samples had MDLs below the benzene migration to groundwater SRO. Therefore, six (6) samples had MDLs slightly above the benzene migration to groundwater SRO and a comparison to the benzene migration to groundwater SRO is inconclusive.

The analytical results from soil samples on the Illinois Railway property (see **Tables 2, 4, and 7**) indicate BTEX concentrations in the range of non-detect to 230 mg/kg, at depths from 2 to 12 feet bgs as follows:

- Benzene ranged from non-detect to 0.0023 mg/kg (WS-3-2).
- Toluene ranged from non-detect to 0.25 mg/kg (WS-2-3).
- Ethylbenzene ranged from non-detect to 75 mg/kg (WS-2-3).
- Total xylenes ranged from non-detect to 230 mg/kg (WS-2-3).

The concentrations of benzene and toluene are below the soil component of groundwater ingestion exposure route for Class I groundwater. The reporting limits for benzene were exceeded within GP-07 at 4-6' and 8-10' bgs. The SRO exceedances for ethylbenzene and xylenes were only present within WS-2-3 from 11-12' bgs. These shallow soil samples are from the area associated with the orphaned UST#2 removed in April 2013 and associated piping. CDM Smith compiled a cross section (Southwest to Northeast (A-A')) to show corresponding geology along with analytical results (see **Figure 5**). This cross section included a total of twelve (12) borings, including GP-2, WS-11, GP-03, WS-10, GP-05, GP-04, GP-06, WS-3, WS-2, WS-4, GP-08, and GP-11. Field data included lithology and BTEX levels based on available data points that were surveyed at ground surface (msl).

Analytical results from soil samples collected at depths below 12 feet bgs indicate detected BTEX concentrations in the range of non-detect to 1,700 mg/kg as follows:

- Benzene ranged from non-detect to 0.58 mg/kg (WS-8-3). The reporting limits for benzene were also exceeded within six (6) additional borings at depths greater than 12' bgs.
- Toluene ranged from non-detect to 39 mg/kg (GP-11B).
- Ethylbenzene ranged from non-detect to 440 mg/kg (GP-02B).
- Total xylenes ranged from non-detect to 1,700 mg/kg (GP-02B).

3.3 Analytical Groundwater Results

A total of four (4) groundwater samples were submitted to the laboratory for analysis. A summary of the corresponding analytical results is provided in **Table 9**. The complete laboratory report is provided in **Appendix B**. Results were compared to Class I groundwater remediation objectives (GROs) from Illinois EPA TACO Tier 1 guidelines (35 IAC 742).

The April 2014 groundwater results identified benzene, ethylbenzene, 2-methylnaphthalene, and naphthalene at one (1) sample location, bis(2-ethylhexyl)phthalate at two (2) sample locations, and lead at three (3) sample locations at concentrations greater than Class I GROs. **Figure 6** illustrates the Class I groundwater assessment results.

Section 4

Conclusions

This report presents the findings of the Site Investigation completed at the Illinois Railway ROW in response to the requirements of the AOC and subsequent communications with USEPA. As part of the Site Investigation, CDM Smith performed additional subsurface soil and groundwater investigations on December 19 to 20, 2013, March 27 through April 9, 2014, and March 3 to 4, 2015.

The subsurface investigation included the collection of 42 soil samples from a total of 21 soil borings. The samples were analyzed for VOCs, SVOCs, and total lead. CDM Smith compared soil sample analytical results to the IEPA's TACO SROs for the industrial/commercial and construction worker exposure route scenarios. CDM Smith's subsurface soil investigation identified the following results.

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion SROs for VOCs, SVOCs, or lead.
- Ethylbenzene and xylenes were detected at concentrations greater than the TACO Tier 1 industrial/commercial inhalation SROs at one (1) and three (3) soil boring locations, respectively. The inhalation exposure pathway can be excluded if 10 feet of clean soil as an engineered barrier are present above the industrial/commercial inhalation SROs exceedances.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO at four (4), eight (8), and three (3) soil boring locations, respectively. All but one (1) of the eight (8) borings with construction worker inhalation SRO exceedances are below ten (10) feet bgs. Safety precautions will be taken for future construction work in these areas.
- The following analytes were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater: ethylbenzene, toluene, xylenes, naphthalene, and 2-methylnaphthalene. Exceedances of the migration to groundwater pathway for ethylbenzene were identified at five (5) soil boring locations. A toluene migration to groundwater exceedances was identified at one (1) soil boring location. Xylenes migration to groundwater exceedances were identified at four (4) soil boring locations. A naphthalene migration to groundwater exceedance was identified at one (1) soil boring location. A 2-methylnaphthalene migration to groundwater exceedances were identified at five (5) soil boring locations. A lead migration to groundwater exceedance was identified at three (3) soil boring locations.
- The RLs and/or MDLs for benzene were above the SRO of 0.03 ppm in six of the 32 borings completed by CDM Smith on the Illinois Railway property. The benzene detection limits were raised due to matrix interferences. It is possible that benzene would have exceeded the SRO in the samples with elevated RLs and MDLs for benzene.

The analytical results from soil samples on the Illinois Railway property (see **Tables 2, 4, and 7**) indicate BTEX concentrations in the range of non-detect to 230 mg/kg, at depths from 2 to 12 feet bgs as follows:

- Benzene ranged from non-detect to 0.0023 mg/kg (WS-3-2).
- Toluene ranged from non-detect to 0.25 mg/kg (WS-2-3).

- Ethylbenzene ranged from non-detect to 75 mg/kg (WS-2-3).
- Total xylenes ranged from non-detect to 230 mg/kg (WS-2-3).

The concentrations of benzene and toluene are below the soil component of groundwater ingestion exposure route for Class I groundwater. The reporting limits for benzene were exceeded within GP-07 at 4-6' and 8-10' bgs. The SRO exceedances for ethylbenzene and xylenes were only present within WS-2-3 from 11-12' bgs. These shallow soil samples are from the area associated with the orphaned UST#2 removed in April 2013 and associated piping. CDM Smith compiled a cross section (Southwest to Northeast (A-A')) between GP-2 and GP-08 to show corresponding geology along with analytical results (see **Figure 5**). This allowed a comparison of data obtained with actual surface and groundwater elevations.

Analytical results from soil samples collected at depths below 12 feet bgs indicate detected BTEX concentrations in the range of non-detect to 1,700 mg/kg as follows:

- Benzene ranged from non-detect to 0.58 mg/kg (WS-8-3). The reporting limits for benzene were also exceeded within six (6) additional borings at depths greater than 12 feet bgs.
- Toluene ranged from non-detect to 39 mg/kg (GP-11B).
- Ethylbenzene ranged from non-detect to 440 mg/kg (GP-02B).
- Total xylenes ranged from non-detect to 1,700 mg/kg (GP-02B).

The investigation also determined the horizontal extent of soil contamination to the north, east, and south.

CDM Smith also conducted a limited groundwater investigation at the Site with the installation of four (4) groundwater monitoring wells to depths ranging from 20 to 34 feet bgs. The analytical results were compared to the current Tiered Approach to Cleanup Objectives (TACO) under 35 IAC 742.

- Benzene, ethylbenzene, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, naphthalene, and lead were observed at concentrations greater than TACO's Class I GROs. Benzene, ethylbenzene, 2-methylnaphthalene, and naphthalene GRO exceedances were identified in one (1) monitoring well; bis(2-ethylhexyl)phthalate GRO exceedances were identified in two (2) monitoring wells; and lead GRO exceedances were identified in three (3) monitoring wells.
- The groundwater results indicate BTEX levels are below the groundwater remediation objectives for Class I groundwater in monitoring wells MW-12, MW-13, and MW-14. MW-15 was the only monitoring well with Class I RO BTEX exceedances (benzene and ethylbenzene). The relatively low BTEX concentrations in groundwater samples collected near the former USTs, and the low concentrations in shallow soil, are not consistent with a pattern of historical releases from these tanks.

The highest concentrations of BTEX detected in soil have been along the western portion of the ROW (east-southeast of the former Hoxsey property which was the subject of an IEPA investigation). There were no benzene exceedances for the inhalation or ingestion pathways. There were three (3) benzene exceedances of the migration to groundwater pathway from the prior onsite investigations. The Site Investigation had eight boring locations that were non-detect for benzene. Only one (1) of the four (4) monitoring wells had minor BTEX exceedances in groundwater, MW-15, located just west of Wedron Silica.

Three USTs have been removed from within the ROW. Confirmatory samples collected for UST #1 did not indicate any exceedances of the TACO SROs and the IEPA issued an NFR letter to close the LUST incident. One (1) confirmatory sample (west wall) from UST #2 exceeded the TACO SROs for BTEX and naphthalene.

A Site Investigation Completion Report (SICR) dated September 2015 has been submitted to the IEPA in regards to UST #2 and LUST incident #20130463. The OSFM determined that there was not a release from UST #3, as supported by the confirmatory sample results.

Section 5

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Figures



**CDM
Smith**

0 50 100 200
Feet

■ Historical Structures

--- Property Boundary

□ Geophysical Area

Figure 1

Site Location Map

Illinois Railway Easements

Wedron, IL



CDM
Smith®

0 25 50 100
Feet

- Existing Boring (WGS-GP-05)
- CDM Smith 2012 Boring (WS-01)
- CDM Smith 2013/14 Boring (GP-01)
- CDM Smith 2014 Monitoring Well
- CDM Smith 2015 Stepout Boring (GP-16)
- Historical Structures
- Property Boundary
- Approximate Property Boundary
- Geophysical Area

Figure 2
Sample Location Map
Illinois Railway Property
Wedron, IL

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C:\CDM\X\M\GOMEZ\201454533\FIGURE-3.DWG DATE: 4/7/2015

LEGEND:

- GP-11 WESTON 2012 BORINGS
- GP-3 GZA 2012 BORINGS
- WS-10 CDM Smith 2012 GEOPROBE BORINGS
- GP-01 CDM Smith 2013 and 2015 GEOPROBE BORINGS
- MW-101 EXISTING MONITORING WELL
- IR PROPERTY BOUNDARY
- RAILROAD TRACKS
- 3468TH RD STREET BOUNDARIES

NOTE:

1. ALL RESULTS ARE EXPRESSED IN mg/kg.

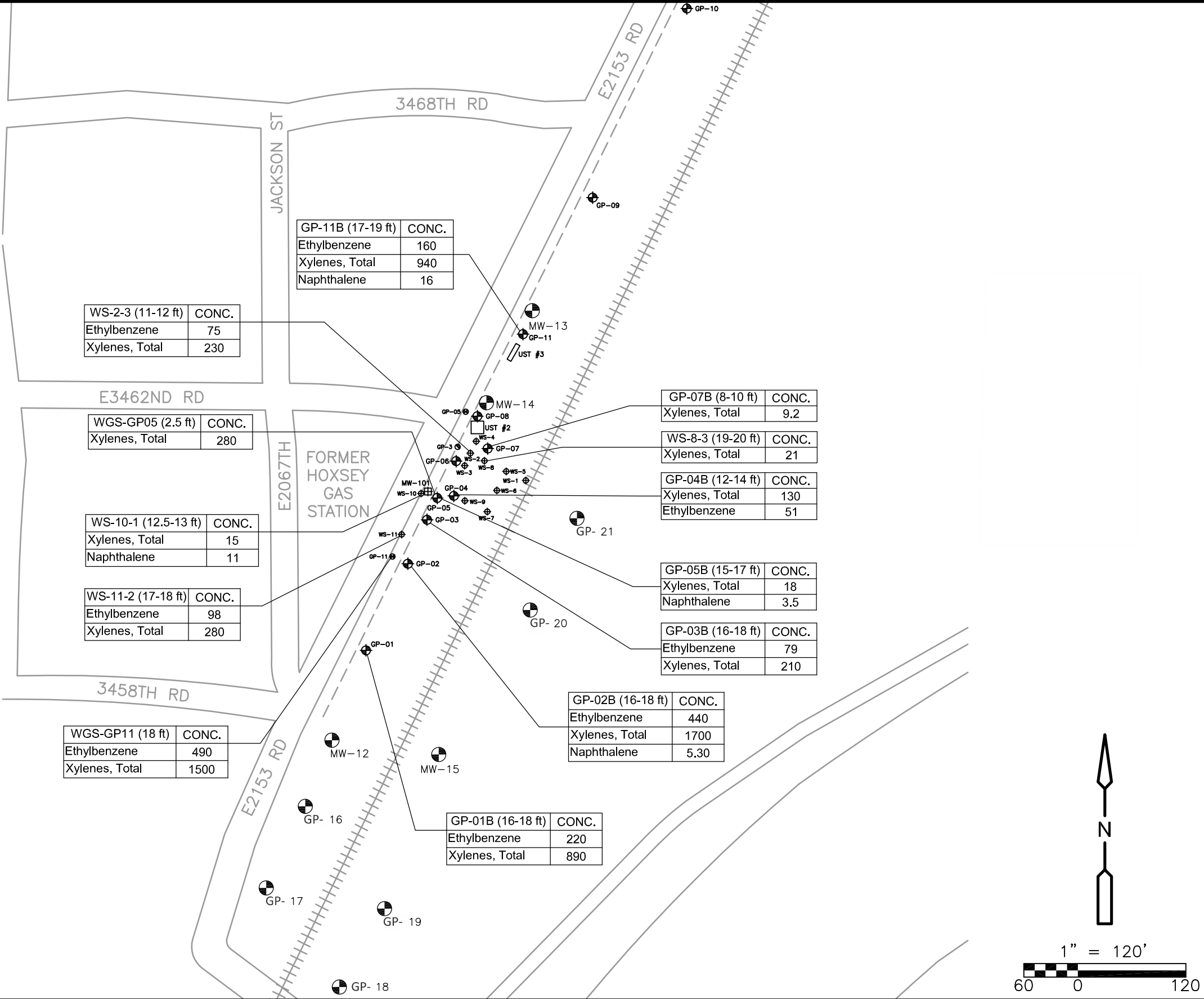


FIGURE-3
TACO TIER 1 INDUSTRIAL/COMMERCIAL SRO EXCEEDANCES FOR INHALATION
ILLINOIS RAILWAY PROPERTY
WEDRON, IL

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C:\CDM\XMD\EROB\WD1454533\FIGURE-4A.DWG DATE: 4/1/2015

LEGEND:

- GP-11 WESTON 2012 BORINGS
- GP-3 GZA 2012 BORINGS
- WS-10 CDM Smith 2012 GEOPROBE BORINGS
- GP-01 CDM Smith 2013 AND 2015 GEOPROBE BORINGS
- MW-101 EXISTING MONITORING WELL
- IR PROPERTY BOUNDARY
- RAILROAD TRACKS
- 3468TH RD STREET BOUNDARIES

NOTE:

1. ALL RESULTS ARE EXPRESSED IN mg/kg.

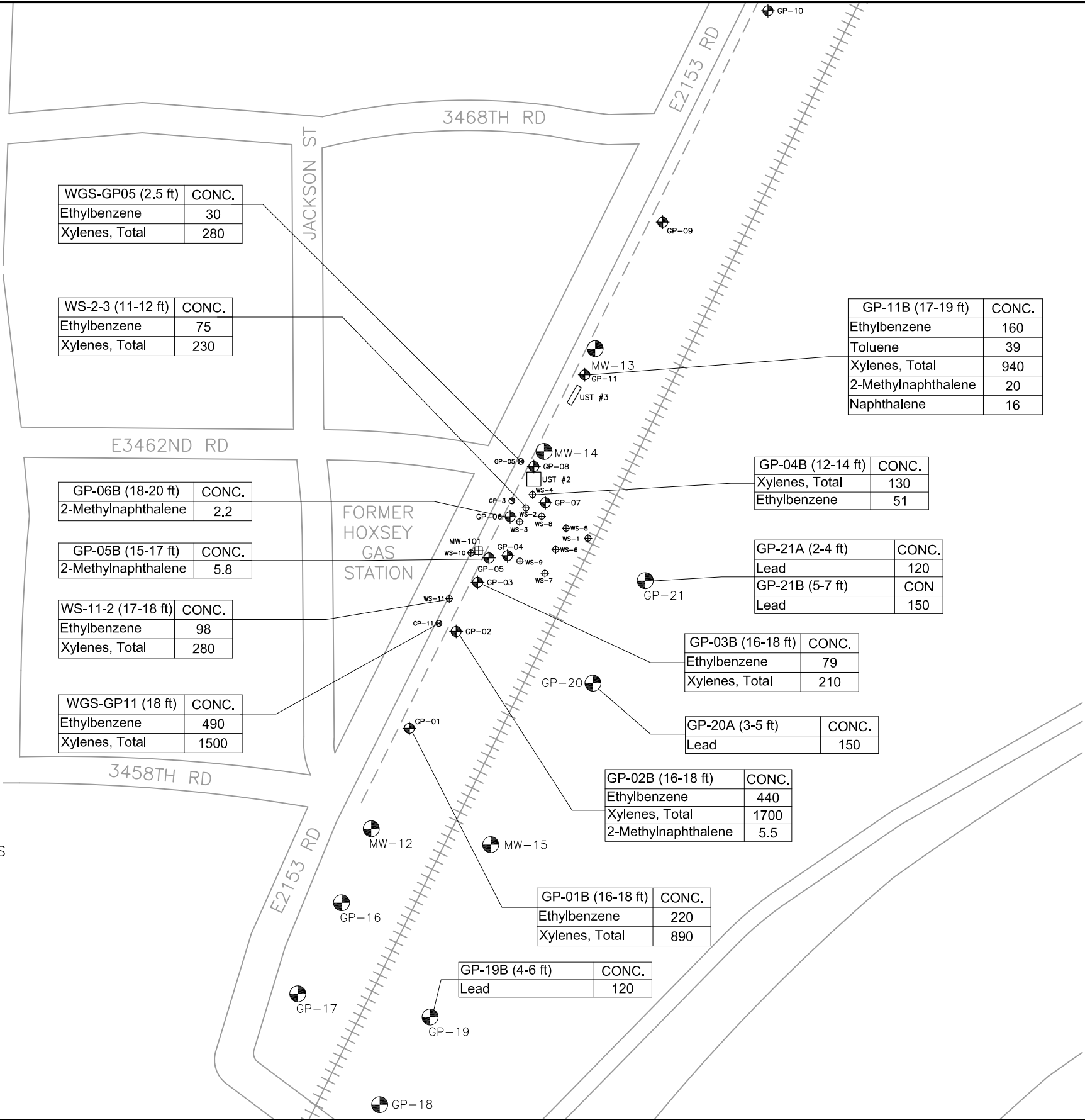


FIGURE-4A
TACO TIER 1 SOIL MIGRATION TO CLASS I GROUNDWATER SAMPLING RESULTS (EXCLUDES BENZENE)
ILLINOIS RAILWAY PROPERTY
WEDRON, IL

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C:\CDM\IDEROB\WD1454533\FIGURE-4B.DWG DATE: 4/1/2015

LEGEND:

- GP-11  WESTON 2012 BORINGS
- GP-3  GZA 2012 BORINGS
- WS-10  CDM Smith 2012 GEOPROBE BORINGS
- GP-01  CDM Smith 2013 AND 2015 GEOPROBE BORINGS
- MW-101  EXISTING MONITORING WELL
- IR PROPERTY BOUNDARY
- ||||| RAILROAD TRACKS
- 3468TH RD STREET BOUNDARIES
- (*) MDL EXCEEDS THE TACO SRO FOR BENZENE

NOTE:

- ALL RESULTS ARE EXPRESSED IN mg/kg.
- METHOD DETECTION LIMIT (MDL) MINIMUM CONCENTRATION OF A SUBSTANCE THAT CAN BE MEASURED AND REPORTED WITH A 99% CONFIDENCE THAT THE ANALYTE CONCENTRATION IS GREATER THAN ZERO. (40 CFR PART 136 APPENDIX B)
- REPORTING LIMIT (RL) LOWEST CONCENTRATION OF ANALYTE IN A SAMPLE THAT CAN BE REPORTED WITH A DEFINED LEVEL OF CERTAINTY. THIS VALUE IS BASED ON THE LOW STANDARD USED FOR INSTRUMENT CALIBRATION.

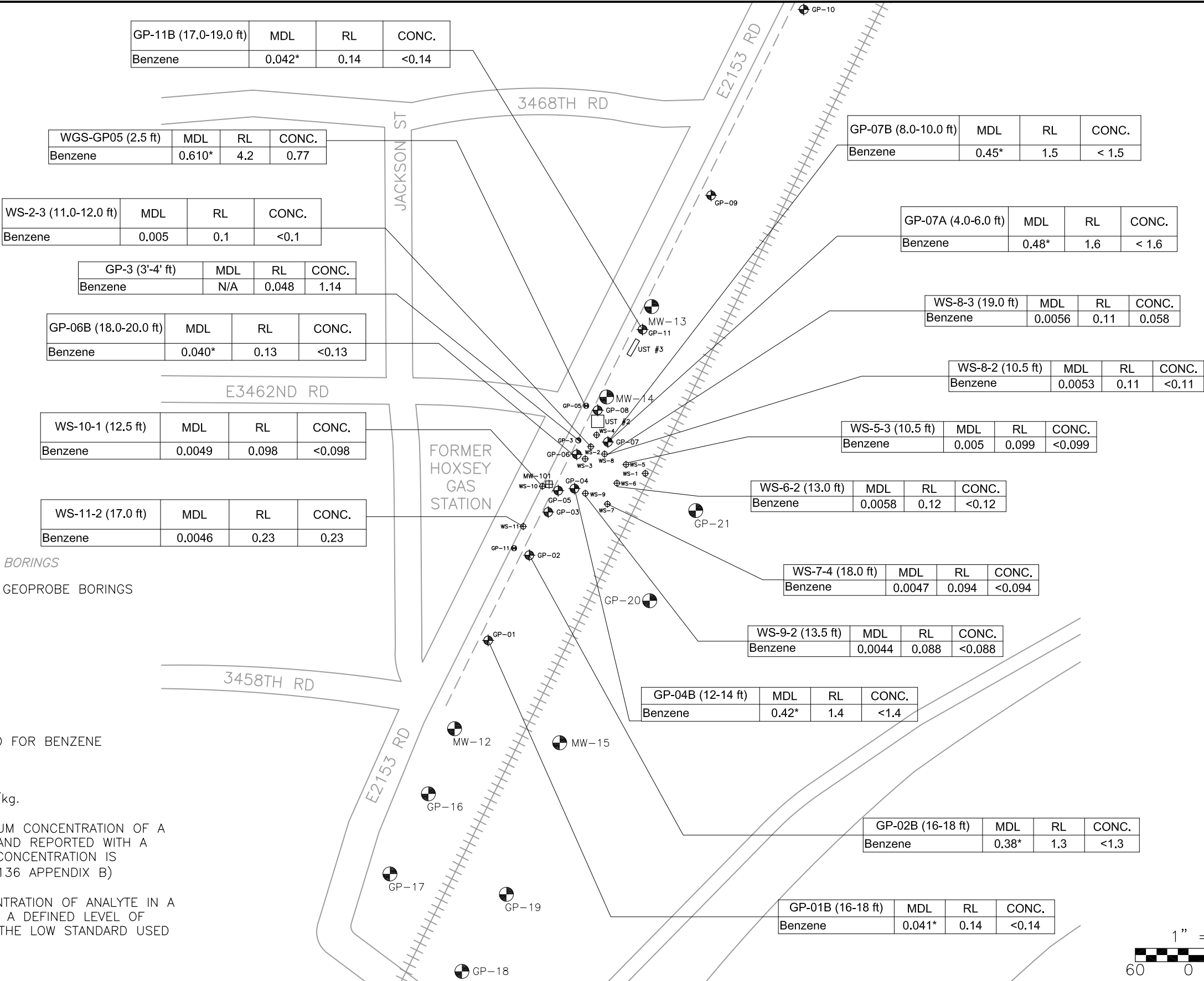


FIGURE-4B
TACO TIER 1 SOIL MIGRATION TO CLASS I GROUNDWATER SAMPLING RESULTS (BENZENE ONLY)
ILLINOIS RAILWAY PROPERTY
WEDRON, IL

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LEGEND:

- GP-11 WESTON 2012 BORINGS
- GP-3 GZA 2012 BORINGS
- WS-10 CDM Smith 2012 GEOPROBE BORINGS
- GP-01 CDM Smith 2013 GEOPROBE BORINGS
- MW-12 CDM Smith 2014 MONITORING WELL
- MW-101 EXISTING MONITORING WELL
- IR PROPERTY BOUNDARY
- RAILROAD TRACKS
- 3468TH RD STREET BOUNDARIES

NOTES:

- 1. ALL RESULTS ARE EXPRESSED IN mg/l.
- 2. ALL RESULTS SHOWN EXCEED THE CLASS I GROUNDWATER REMEDIATION OBJECTIVE (GRO); RESULTS THAT ARE UNDERLINED INDICATE THAT THE MEASURED CONCENTRATION ALSO EXCEEDS THE CLASS II GRO.

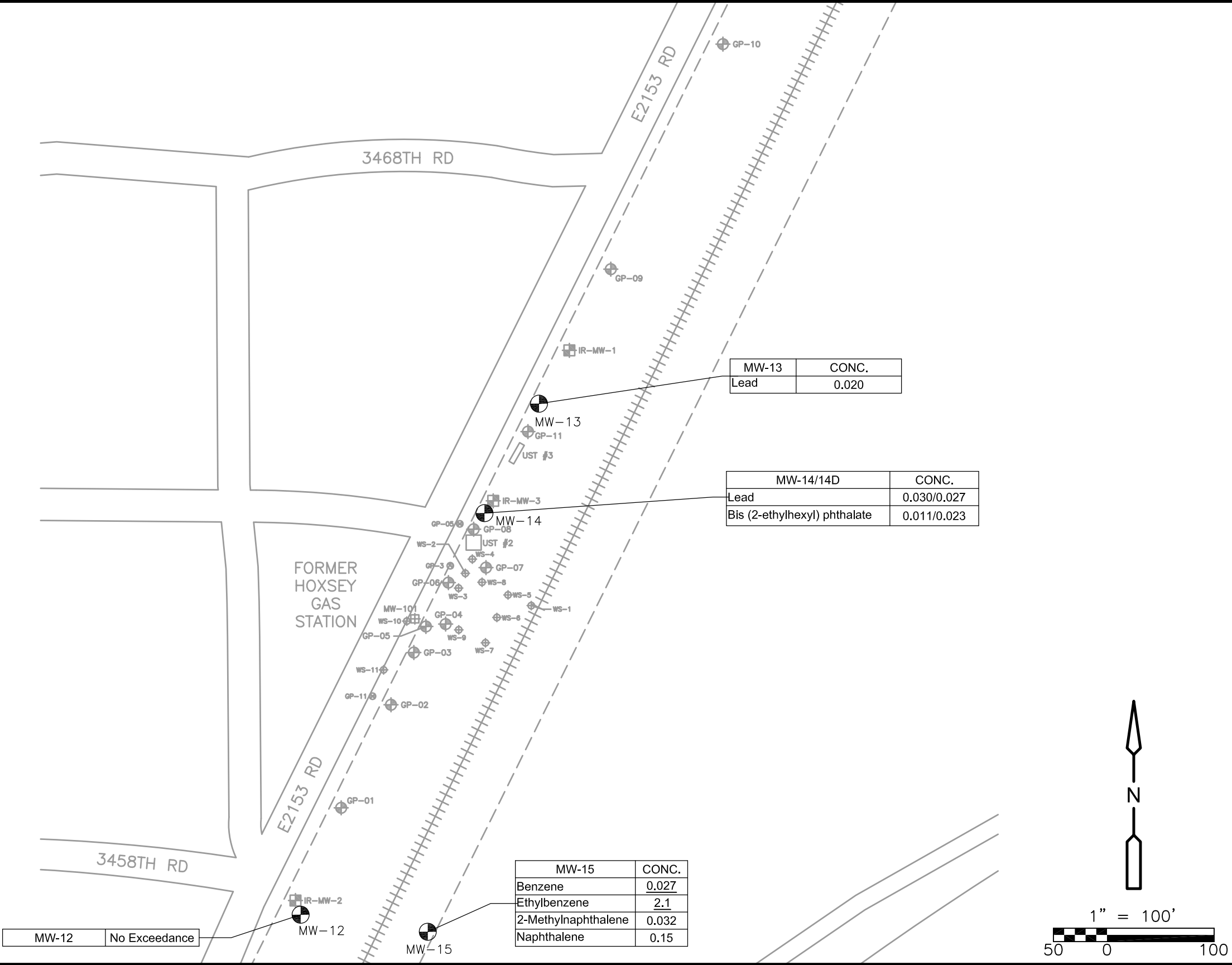


FIGURE 6
TACO TIER 1 GROUNDWATER EXCEEDANCES
ILLINOIS RAILWAY PROPERTY
WEDRON, IL

Tables

Table 1
Illinois Railway Property, Wedron IL
Soil Analytical Results Summary
(GZA/Weston 2012)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs						WGS-GP11 (18')	WGS-GP05 (2.5')	WGS-GP05 (11')	GP-3 (3'-4') AccuTest	GP-3 (3'-4') EMT
	Industrial/Commercial				Construction						
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation					
1,1,1-Trichloroethane	NRO	1200	2	9.6	NRO	1200	<0.0046	<0.55	<0.0045	<5.1	<5.1
2-Hexanone	NRO	NRO	NRO	NRO	NRO	NRO	<95	<21	<44	NT	NT
Acetone	NRO	100000	25	25	NRO	100000	<190	<42	<88	NT	NT
Benzene	100	1.6	0.03	0.17	2300	2.2	<19	0.770 J	<88	1.140	0.233
Carbon disulfide	200000	720	32	160	20000	9	<19	<4.2	<8.8	NT	NT
Chloroform	940	0.54	0.6	2.9	2000	0.76	<19	<4.2	<8.8	NT	NT
Ethylbenzene	200000	400	13	19	20000	58	490	30	<8.8	1.14	428
Toluene	410000	650	12	29	410000	42	6.4 J	5.1	<8.8	4.7	1.5
Xylenes, Total	410000	320	150	150	41000	5.6	1500	280	<18	7.04	2.824

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appendix B, Tables B, C and D.

All results are mg/Kg and dry weight unless otherwise requested

NRO = (No Remediation Objective) was provided in 35 IAC 742 Appendix B, Tables B, C or D

NT = analyte not tested

Results that are Underlined indicate that the measured concentration exceeds an Industrial/Commercial Inhalation SRO.

Results that are Box outlined indicate that the measured concentration exceeds a Construction Worker inhalation SRO.

Results that are BOLD font indicate that the measured concentration exceeds a Class I SRO.

Results that are Shaded gray indicate that the measured concentration exceeds a Class II SRO.

Non-detect results (indicated by <) were not flagged as exceedance of SROs.

Table 2
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary
(CDM Smith 2012)

	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure		WS-1-1 (1-2')	WS-1-2 (10-11')	WS-2-3 (11-12')	WS-3-2 (9-10')	WS-4-3 (15-16')	WS-5-3 (10.5')	WS-5-4 (13.0')	WS-6-2 (13.0')	WS-7-3 (14.5')	WS-7-4 (18.0')	WS-8-1 (3.5')	WS-8-2 (10.5')	WS-8-3 (19.0')	WS-9-1 (2.5')	WS-9-2 (13.5')	WS-10-1 (12.5')	WS-11-1 (1.0')
	Analyte	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	8/23/2012	8/23/2012	8/23/2012	8/23/2012	8/23/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012
Benzene	100	1.6	2,300	2.2	0.03	0.17	0.0012	< 0.0059	< 0.1	0.0023	0.0047	< 0.099	0.001	< 0.12	0.0038	< 0.094	0.0006	< 0.11	0.058	0.00044	< 0.088	< 0.098	0.00074
Toluene	410,000	650	410,000	42	12	29	0.0017	< 0.0059	0.25	0.0051	0.015	0.067	0.0013	< 0.29	0.0053	< 0.24	0.00092	< 0.27	0.34	< 0.0042	< 0.22	< 0.25	0.0024
Ethylbenzene	200,000	400	20,000	58	13	19	0.00047	< 0.0059	75	0.002	0.37	< 0.25	0.00048	0.014	0.002	0.05	< 0.005	0.072	0.85	< 0.0042	2.6	6.2	0.026
Xylenes, Total	410,000	320	41,000	5.6	150	150	0.0013	< 0.018	230	0.0045	0.66	0.064	0.0012	< 0.87	0.0034	0.098	0.00069	0.033	21	< 0.013	2.3	15	0.059
Acenaphthene	120,000	---	120,000	---	570	2,900	< 0.035	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	< 0.037	0.15	< 0.034	< 0.034
Acenaphthylene	610,000	---	610,000	---	85	420	0.024	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.02	0.062	< 0.034	< 0.034
Anthracene	610,000	---	610,000	---	12,000	59,000	0.022	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.037	0.083	0.073	< 0.034
Benz(a)anthracene	8	---	170	---	2	8	0.023	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.067	0.026	< 0.034	< 0.034
Benzo(a)pyrene	0.8	---	17	---	8	82	0.02	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.069	0.019	< 0.034	< 0.034
Benzo(b)fluoranthene	8	---	170	---	5	25	0.028	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.076	< 0.037	< 0.034	< 0.034
Benzo(g,h,i)perylene	610,000	---	610,000	---	27000	130000	0.021	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.084	0.021	< 0.034	< 0.034
Benzo(k)fluoranthene	78	---	1,700	---	49	250	< 0.035	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.074	< 0.037	< 0.034	< 0.034
Chrysene	780	---	17,000	---	160	800	0.025	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.092	0.022	< 0.034	< 0.034
Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	< 0.035	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	< 0.037	< 0.037	< 0.034	< 0.034
Fluoranthene	82,000	---	82,000	---	4,300	21,000	0.03	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.15	0.069	0.03	< 0.034
Fluorene	82,000	---	82,000	---	560	2,800	< 0.035	< 0.04	0.022	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	< 0.037	0.15	0.42	< 0.034
Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	< 0.035	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.051	< 0.037	< 0.034	< 0.034
Naphthalene	41,000	270	4,100	1.8	12	18	< 0.035	< 0.04	1.4	< 0.035	0.6	< 0.035	< 0.038	0.028	< 0.038	< 0.035	< 0.036	0.48	0.75	0.059	1.2	11	0.032
Phenanthrene	610,000	---	610,000	---	200	1000	0.037	< 0.04	0.049	< 0.035	0.022	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.17	0.36	0.64	< 0.034
Pyrene	61,000	---	61,000	---	4,200	21,000	0.029	< 0.04	< 0.039	< 0.035	< 0.043	< 0.035	< 0.038	< 0.041	< 0.038	< 0.035	< 0.036	< 0.041	< 0.041	0.12	0.1	0.051	< 0.034

Notes:

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appendix B, Tables B, C and D.

Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.

All results are mg/Kg and dry weight unless otherwise requested

Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided; or background concentrations for counties outside metropolitan areas, Appendix A, Table G (per footnote m in Appendix B, Table B).

--- indicates (No Remediation Objective) was provided in tables.

Results that are Box outlined indicate that the measured concentration exceeds a Construction Worker inhalation SRO.

Results that are BOLD font indicate that the measured concentration exceeds a Class I SRO.

Results that are Shaded gray indicate that the measured concentration exceeds a Class II SRO.

Non-detect results (indicated by <) were not flagged as exceedance of SROs.

Table 2
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary
(CDM Smith 2012)

Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure		WS-11-2 (17.0') 8/24/2012
	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
Benzene	100	1.6	2,300	2.2	0.03	0.17	0.23
Toluene	410,000	650	410,000	42	12	29	1.6
Ethylbenzene	200,000	400	20,000	58	13	19	98
Xylenes, Total	410,000	320	41,000	5.6	150	150	280
Acenaphthene	120,000	---	120,000	---	570	2,900	0.044
Acenaphthylene	610,000	---	610,000	---	85	420	< 0.036
Anthracene	610,000	---	610,000	---	12,000	59,000	0.037
Benz(a)anthracene	8	---	170	---	2	8	< 0.036
Benzo(a)pyrene	0.8	---	17	---	8	82	< 0.036
Benzo(b)fluoranthene	8	---	170	---	5	25	< 0.036
Benzo(g,h,i)perylene	610,000	---	610,000	---	27000	130000	< 0.036
Benzo(k)fluoranthene	78	---	1,700	---	49	250	< 0.036
Chrysene	780	---	17,000	---	160	800	< 0.036
Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	< 0.036
Fluoranthene	82,000	---	82,000	---	4,300	21,000	0.03
Fluorene	82,000	---	82,000	---	560	2,800	0.084
Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	< 0.036
Naphthalene	41,000	270	4,100	1.8	12	18	1.7
Phenanthrene	610,000	---	610,000	---	200	1000	0.17
Pyrene	61,000	---	61,000	---	4,200	21,000	0.046

Notes:
Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appenc
Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.
All results are mg/Kg and dry weight unless otherwise requested
Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided; r
--- indicates (No Remediation Objective) was provided in tables.
Results that are Box outlined indicate that the measured concentration exceeds a Construct
Results that are BOLD font indicate that the measured concentration exceeds a Class I SRC
Results that are Shaded gray indicate that the measured concentration exceeds a Class II S
Non-detect results (indicated by <) were not flagged as exceedance of SROs.

Table 4
Illinois Railway Property, Wedron IL
Soil Analytical Results Summary
Volatile Organic Compounds (12/2013 and 3/2014)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																											
	Industrial/Commercial				Construction Worker																							
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-01A (8-10')	GP-01B (16-18')	GP-02A (8-10')	GP-02B (16-18')	GP-03A (8-10')	GP-03B (16-18')	GP-04A (8-10')	GP-04B (12-14')	GP-05A (8-10')	GP-05B (15-17')	GP-06A (8-10')	GP-06B (18-20')	GP-06B (18-20')D	GP-07A (4-6')	GP-07B (8-10')	GP-07B (8-10')D	GP-08A (8-10')	GP-08B (13-15')	GP-09A (5-7')	GP-09B (8-10')	GP-10A (0-3')	GP-10B (11-13')
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/20/13	12/20/13	12/19/13	12/19/13	12/19/13	12/19/13	12/20/13	12/20/13	12/19/13	12/19/13	12/19/13	12/20/13	12/20/13	12/20/13	12/20/13
1,1,1-Trichloroethane	NRO	1200	2	9.6	NRO	1200	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,1,2,2-Tetrachloroethane	8200	2000	0.22	0.22	2000	2000	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
	8200	1800	0.02	0.3	8200	1800	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,1-Dichloroethane	200000	1700	23	110	200000	130	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,1-Dichloroethene	100000	470	0.06	0.3	10000	3	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,2-Dichloroethane	63	0.7	0.02	0.1	1400	0.99	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,2-Dichloropropane	84	23	0.03	0.15	1800	0.5	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
1,3-Dichloropropene, Total	57	2.1	0.004	0.02	1200	0.39	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
2-Hexanone	NRO	NRO	NRO	NRO	NRO	NRO	<0.0046	<2.8	<0.0045	<25	<0.0048	<0.56	<0.0051	<28	<0.0048	<0.23	<0.0053	<2.7	<2.5	<32	<30	<0.25	<0.0047	<0.24	<0.0050	<0.0050	<0.0051	<0.0057
Acetone	NRO	100000	25	25	NRO	100000	0.0049	<2.8	0.021	<25	0.011	<0.56	<0.0051	<28	0.022	<0.23	0.028	<2.7	<2.5	<32	<30	<0.25	0.0069	<0.24	<0.0050	<0.0050	0.0076	0.019
Benzene	100	1.6	0.03	0.17	2300	2.2	<0.0046	<0.14	<0.0045	<1.3	<0.0048	<0.028	<0.0051	<1.4	<0.0048	<0.012	<0.0053	<0.13	<0.13	<1.6	<1.5	<0.012	<0.0047	<0.012	<0.0050	<0.0050	<0.0051	<0.0057
Bromodichloromethane	92	3000	0.6	0.6	2000	3000	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Bromoform	720	100	0.8	0.8	16000	140	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Bromomethane	2900	15	0.2	1.2	1000	3.9	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Carbon disulfide	200000	720	32	160	20000	9	<0.0046	<2.8	<0.0045	<25	<0.0048	<0.56	<0.0051	<28	<0.0048	<0.23	<0.0053	<2.7	<2.5	<32	<30	<0.25	<0.0047	<0.24	<0.0050	<0.0050	<0.0051	<0.0057
Carbon tetrachloride	44	0.64	0.07	0.33	410	0.9	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
Chlorobenzene	41000	210	1	6.5	4100	1.3	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
Chloroethane	NRO	1500	NRO	NRO	NRO	97	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Chloroform	940	0.54	0.6	2.9	2000	0.76	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
Chloromethane	NRO	180	NRO	NRO	NRO	11	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
cis-1,2-Dichloroethene	20000	1200	0.4	1.1	20000	1200	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
cis-1,3-Dichloropropene	NRO	NRO	NRO	NRO	NRO	NRO	<0.0046	<0.55	<0.0045	<5.1	<0.0048	<0.11	<0.0051	<5.7	<0.0048	<0.047	<0.0053	<0.53	<0.51	<6.5	<6.1	<0.049	<0.0047	<0.047	<0.0050	<0.0050	<0.0051	<0.0057
Dibromochloromethane	41000	1300	0.4	0.4	41000	1300	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Ethylbenzene	200000	400	13	19	20000	58	<0.0046	220	<0.0045	440	<0.0048	79	0.028	51	<0.0048	5.8	<0.0053	0.9	0.24	<1.6	8.4	3.7	<0.0047	2.4	<0.0050	<0.0050	<0.0051	<0.0057
Methyl Ethyl Ketone	1000000	21000	17	17	120000	140	<0.0046	<2.8	<0.0045	<25	<0.0048	<0.56	<0.0051	<28	0.0054	<0.23	0.0072	<2.7	<2.5	<32	<30	<0.25	<0.0047	<0.24	<0.0050	<0.0050	<0.0051	0.0056 J
methyl isobutyl ketone	NRO	3100	NRO	NRO	NRO	340	<0.0046	<2.8	<0.0045	<25	<0.0048	<0.56	<0.0051	<28	<0.0048	<0.23	<0.0053	<2.7	<2.5	<32	<30	<0.25	<0.0047	<0.24	<0.0050	<0.0050	<0.0051	<0.0057
Methyl tert-butyl ether	20000	8800	0.32	0.32	2000	140	<0.0046	<1.1	<0.0045	<10	<0.0048	<0.22	<0.0051	<11	<0.0048	<0.093	<0.0053	<1.1	<1.0	<13	<12	<0.099	<0.0047	<0.094	<0.0050	<0.0050	<0.0051	<0.0057
Methylene Chloride	760	24	0.02	0.2	12																							

Table 4
Illinois Railway Property, Wedron IL
Soil Analytical Results Summary
Volatile Organic Compounds (12/2013 and 3/2014)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs						GP-11A (8-10')	GP-11B (17-19')	GP-11B (17-19')D	GP-12A (8-10')	GP-12B (10-12')	GP-13A (8-10')	GP-13A (8-10')D	GP-13B (10-12')	GP-14A (8-10')	GP-14B (16-18')	GP-15A (8-10')	GP-15B (12.5-14.5')
	Industrial/Commercial				Construction Worker													
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation												
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/20/13	12/20/13	12/20/13	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14
1,1,1-Trichloroethane	NRO	1200	2	9.6	NRO	1200	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,1,2,2-Tetrachloroethane	8200	2000	0.22	0.22	2000	2000	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,1,2-Trichloroethane	8200	1800	0.02	0.3	8200	1800	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,1-Dichloroethane	200000	1700	23	110	200000	130	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,1-Dichloroethene	100000	470	0.06	0.3	10000	3	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,2-Dichloroethane	63	0.7	0.02	0.1	1400	0.99	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,2-Dichloropropane	84	23	0.03	0.15	1800	0.5	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
1,3-Dichloropropene, Total	57	2.1	0.004	0.02	1200	0.39	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
2-Hexanone	NRO	NRO	NRO	NRO	NRO	NRO	<0.0052	<0.57	<2.9	<0.0048	<1.1	<0.0045	<0.0055	<0.0053	<0.0047	<0.58	<0.0044	<1.1
Acetone	NRO	100000	25	25	NRO	100000	0.012	<0.57	<2.9	0.020	<1.1	<0.0045	0.0056	<0.0053	<0.0047	<0.58	0.031	<1.1
Benzene	100	1.6	0.03	0.17	2300	2.2	<0.0052	<0.029	<0.14	<0.0048	<0.055	<0.0045	<0.0055	<0.0053	<0.0047	<0.029	<0.0044	<0.054
Bromodichloromethane	92	3000	0.6	0.6	2000	3000	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Bromoform	720	100	0.8	0.8	16000	140	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Bromomethane	2900	15	0.2	1.2	1000	3.9	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Carbon disulfide	200000	720	32	160	20000	9	<0.0052	<0.57	<2.9	<0.0048	<1.1	<0.0045	<0.0055	<0.0053	<0.0047	<0.58	<0.0044	<1.1
Carbon tetrachloride	44	0.64	0.07	0.33	410	0.9	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Chlorobenzene	41000	210	1	6.5	4100	1.3	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Chloroethane	NRO	1500	NRO	NRO	NRO	97	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Chloroform	940	0.54	0.6	2.9	2000	0.76	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Chloromethane	NRO	180	NRO	NRO	NRO	11	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
cis-1,2-Dichloroethene	20000	1200	0.4	1.1	20000	1200	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
cis-1,3-Dichloropropene	NRO	NRO	NRO	NRO	NRO	NRO	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Dibromochloromethane	41000	1300	0.4	0.4	41000	1300	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Ethylbenzene	200000	400	13	19	20000	58	<0.0052	160	65	<0.0048	<0.055	<0.0045	<0.0055	<0.0053	<0.0047	0.53	<0.0044	11
Methyl Ethyl Ketone	1000000	21000	17	17	120000	140	<0.0052	<0.57	<2.9	<0.0048	<1.1	<0.0045	<0.0055	<0.0053	<0.0047	<0.58	<0.0044	<1.1
methyl isobutyl ketone	NRO	3100	NRO	NRO	NRO	340	<0.0052	<0.57	<2.9	<0.0048	<1.1	<0.0045	<0.0055	<0.0053	<0.0047	<0.58	<0.0044	<1.1
Methyl tert-butyl ether	20000	8800	0.32	0.32	2000	140	<0.0052	<0.23	<1.1	<0.0048	<0.44	<0.0045	<0.0055	<0.0053	<0.0047	<0.23	<0.0044	<0.44
Methylene Chloride	760	24	0.02	0.2	12000	34	<0.0052	<0.57	<2.9	<0.0048	<1.1	<0.0045	<0.0055	<0.0053	<0.0047	<0.58	<0.0044	<1.1
Styrene	410000	1500	4	18	41000	430	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Tetrachloroethene	110	20	0.06	0.3	2400	28	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Toluene	410000	650	12	29	410000	42	0.0033 J	39	4.2	<0.0048	<0.055	<0.0045	<0.0055	<0.0053	<0.0047	0.069	<0.0044	0.092
trans-1,2-Dichloroethene	41000	3100	0.7	3.4	41000	3100	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
trans-1,3-Dichloropropene	NRO	NRO	NRO	NRO	NRO	NRO	<0.0052	<0.11	<0.57	<0.0048	<0.22	<0.0045	<0.0055	<0.0053	<0.0047	<0.12	<0.0044	<0.22
Trichloroethene	520	8.9	0.06	0.3	1200	12	<0.0052	<0.057	<0.29	<0.0048	<0.11	<0.0045	<0.0055	<0.0053	<0.0047	<0.058	<0.0044	<0.11
Vinyl chloride	7.9	1.1	0.01	0.07	170	1.1	<0.0052	<0.029	<0.14	<0.0048	<0.055	<0.0045	<0.0055	<0.0053	<0.0047	<0.029	<0.0044	<0.054
Xylenes, Total	410000	320	150	150	41000	5.6	<0.010	940	310	<0.0095	<0.11	<0.0089	<0.011	<0.011	<0.0093	2.1	<0.0088	24

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appe
All results are mg/Kg and dry weight unless otherwise requested
NRO = (No Remediation Objective) was provided in 35 IAC 742 Appendix B, Tables B, C
Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provider
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assess
Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene result
Results that are Underlined indicate that the measured concentration exceeds an Industri
Results that are Box outlined indicate that the measured concentration exceeds a Constr
Results that are BOLD font indicate that the measured concentration exceeds a Class I S
Results that are Shaded gray indicate that the measured concentration exceeds a Class I
Non-detect results (indicated by <) were not flagged as exceedance of SROs.

Table 5
Illinois Railway Property, Wedron IL
Soil Analytical Results Summary
Semi-Volatile Organic Compounds (12/2013 and 3/2014)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																																	
	Industrial/Commercial				Construction Worker																													
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-01A (8-10')	GP-01B (16-18')	GP-02A (8-10')	GP-02B (16-18')	GP-03A (8-10')	GP-03B (16-18')	GP-04A (8-10')	GP-04B (12-14')	GP-05A (8-10')	GP-05B (15-17')	GP-06A (8-10')	GP-06B (18-20')	GP-06B (18-20')D	GP-07A (4-6')	GP-07B (8-10')	GP-07B (8-10')D	GP-08A (8-10')	GP-08B (13-15')	GP-09A (5-7')	GP-09B (8-10')	GP-10A (0-3')							
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13						
1,2,4-Trichlorobenzene	20000	3200	5	53	2000	920	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
1,2-Dichlorobenzene	180000	560	17	43	18000	310	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
1,4-Dichlorobenzene	NRO	17000	2	11	NRO	340	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2,2'-oxybis(1-chloropropane)	NRO	NRO	NRO	NRO	NRO	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2,4,5-Trichlorophenol	200000	NRO	26	26	200000	NRO	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
2,4,6-Trichlorophenol	520	390	0.07	0.07	11000	540	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
2,4-Dichlorophenol	6100	NRO	0.48	0.48	610	NRO	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
2,4-Dimethylphenol	41000	NRO	9	9	41000	NRO	<0.35	0.19 J	<0.36	<1.7	<0.36	0.40	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
2,4-Dinitrophenol	4100	NRO	0.2	0.2	410	NRO	<0.72	<0.75	<0.73	<3.5	<0.74	<0.75	<0.76	<0.71	<0.71	<3.6	<0.68	<0.73	<0.72	<0.80	<0.79	<0.72	<0.69	<0.70	<0.73	<0.73	<0.79							
2,4-Dinitrotoluene	8.4	NRO	0.0008	0.0008	180	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2,6-Dinitrotoluene	8.4	NRO	0.0007	0.0007	180	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2-Chloronaphthalene	160000	NRO	49	240	160000	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2-Chlorophenol	10000	53000	1.5	1.5	10000	53000	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2-Methylnaphthalene	8200	NRO	1.9	9.5	820	NRO	<0.035	1.5	<0.036	5.5 J+	<0.036	1.8	<0.037	5.2	<0.035	5.8	<0.034	2.2 J	0.51 J	0.48	1.7	1.1	<0.034	0.29	<0.036	<0.036	0.035 J							
2-Methylphenol	100000	NRO	15	15	100000	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2-Nitroaniline	6100	56	0.14	0.14	610	3.6	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
3 & 4 Methylphenol	10000	NRO	0.2	0.2	1000	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
3,3'-Dichlorobenzidine	13	NRO	0.007	0.033	280	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
3-Nitroaniline	610	400	0.01	0.01	61	26	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
4,6-Dinitro-2-methylphenol	200	NRO	NRO	NRO	820	NRO	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
4-Chloroaniline	8200	NRO	0.7	0.7	820	NRO	<0.72	<0.75	<0.73	<3.5	<0.74	<0.75	<0.76	<0.71	<0.71	<3.6	<0.68	<0.73	<0.72	<0.80	<0.79	<0.72	<0.69	<0.70	<0.73	<0.73	<0.79							
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	<0.18	<0.19	<0.18	<0.88	<0.18	<0.19	<0.19	<0.18	<0.18	<0.91	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.17	<0.18	<0.18	<0.18	<0.18	<0.20						
4-Nitroaniline	6100	1600	0.1	0.1	610	110	<0.35	<0.37	<0.36	<1.7	<0.36	<0.37	<0.37	<0.35	<0.35	<1.8	<0.34	<0.36	<0.35	<0.39	<0.39	<0.36	<0.34	<0.35	<0.36	<0.36	<0.36	<0.39						
4-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.72	<0.75	<0.73	<3.5	<0.74	<0.75	<0.76	<0.71	<0.71	<3.6	<0.68	<0.73	<0.72	<0.80	<0.79	<0.72	<0.69	<0.70	<0.73	<0.73	<0.79							
Acenaphthene	120000	NRO	570	2900	120000	NRO	<0.035	0.012 J	<0.036	<0.17	<0.036	<0.037	<0.037	0.061	<0.035	<0.18	<0.034	0.032 J	<0.035	<0.039	<0.039	<0.036	<0.034	<0.035	<0.036	<0.036	<0.036	<0.039						
Acenaphthylene	61000	NRO	85	420	61000	NRO	<0.035	<0.037	<0.036	<0.17	<0.036	<0.037	<0.037	<0.035	<0.035	<0.18	<0.034	<0.036	<0.035	<0.039	<0.039	<0.036	<0.034	<0.035	<0.036	<0.036	<0.036	<0.039						
Anthracene	610000	NRO	12000	59000	610000	NRO	<0.035	<0.037	<0.036	<0.17	<0.036	<0.037	<0.037	0.05	<0.035	<0.18	<0.034	<0.036	<0.035	<0.039	<0.039	<0.036	<0.034	<0.035	<0.036	<0.036	<0.036	<0.039						
Benzo[a]anthracene	8	NRO	2	8	170	NRO	<0.035	0.0089 J	<0.036	<0.17	<0.036	<0.037	<0.037	0.014 J	<0.035	<0.18	<0.034	0.028 J	0.012 J	<0.039	<0.039	<0.036	<0.034	<0.035	<0.036	<0.036	<0.036	0.013 J						
Benzo[a]pyrene	0.8	NRO&gt																																

Table 5
Illinois Railway Property, Wedron IL
Soil Analytical Results Summary
Semi-Volatile Organic Compounds (12/2013 and 3/2014)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																		
	Industrial/Commercial				Construction Worker														
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-10B (11-13')	GP-11A (8-10')	GP-11B (17-19')	GP-11B (17-19')D	GP-12A (8-10')	GP-12B (10-12')	GP-13A (8-10')	GP-13A (8-10')D	GP-13B (10-12')	GP-14A (8-10')	GP-14B (16-18')	GP-15A (8-10')	GP-15B (12.5-14.5')
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/20/13	12/20/13	12/20/13	12/20/13	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14
1,2,4-Trichlorobenzene	20000	3200	5	53	2000	920	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
1,2-Dichlorobenzene	180000	560	17	43	18000	310	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
1,4-Dichlorobenzene	NRO	17000	2	11	NRO	340	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2,2'-oxybis[1-chloropropane]	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2,4,5-Trichlorophenol	200000	NRO	26	26	200000	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
2,4,6-Trichlorophenol	520	390	0.07	0.07	11000	540	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
2,4-Dichlorophenol	6100	NRO	0.48	0.48	610	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
2,4-Dimethylphenol	41000	NRO	9	9	41000	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
2,4-Dinitrophenol	4100	NRO	0.2	0.2	410	NRO	<0.69	<0.69	<0.74	<0.72	<0.79	<0.79	<0.73	<0.75	<0.71	<0.70	<0.76	<0.74	<0.73
2,4-Dinitrotoluene	8.4	NRO	0.0008	0.0008	180	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2,6-Dinitrotoluene	8.4	NRO	0.0007	0.0007	180	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2-Chloronaphthalene	160000	NRO	49	240	160000	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2-Chlorophenol	10000	53000	1.5	1.5	10000	53000	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2-Methylnaphthalene	8200	NRO	1.9	9.5	8200	NRO	<0.034	<0.034	4.1 J	20 J	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	0.090	<0.036	0.15
2-Methylphenol	100000	NRO	15	15	100000	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2-Nitroaniline	6100	56	0.14	0.14	610	3.6	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
3 & 4 Methylphenol	10000	NRO	0.2	0.2	1000	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
3,3'-Dichlorobenzidine	13	NRO	0.007	0.033	280	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
3-Nitroaniline	610	400	0.01	0.01	61	26	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
4,6-Dinitro-2-methylphenol	200	NRO	NRO	NRO	820	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
4-Chloroaniline	8200	NRO	0.7	0.7	820	NRO	<0.69	<0.69	<0.74	<0.72	<0.79	<0.79	<0.73	<0.75	<0.71	<0.70	<0.76	<0.74	<0.73
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
4-Nitroaniline	6100	1600	0.1	0.1	610	110	<0.34	<0.34	<0.36	<0.36	<0.39	<0.39	<0.36	<0.37	<0.35	<0.34	<0.37	<0.36	<0.36
4-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	<0.69	<0.69	<0.74	<0.72	<0.79	<0.79	<0.73	<0.75	<0.71	<0.70	<0.76	<0.74	<0.73
Acenaphthene	120000	NRO	570	2900	120000	NRO	<0.034	<0.034	<0.036	0.026 J	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Acenaphthylene	61000	NRO	85	420	61000	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Anthracene	610000	NRO	12000	59000	610000	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Benzo[a]anthracene	8	NRO	2	8	170	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	0.020 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Benzo[a]pyrene	0.8	NRO	8	82	17	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	0.018 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Benzo[b]fluoranthene	8	NRO	5	25	170	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	0.013 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Benzo[g,h,i]perylene	61000	NRO	27000	130000	61000	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	0.024 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Benzo[k]fluoranthene	78	NRO	49	250	1700	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Bis(2-chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Bis(2-chloroethyl)ether	5	0.47	0.0004	0.0004	75	0.66	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Bis(2-ethylhexyl) phthalate	410	31000	3600	31000	4100	31000	0.063 J	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	0.11 J+	<0.17	0.34 J+	0.32 J+	<0.18
Butyl benzyl phthalate	410000	930	930	930	410000	930	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Carbazole	290	NRO	0.6	2.8	6200	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Chrysene	780	NRO	160	800	17000	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	0.014 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Dibenz(a,h)anthracene	0.8	NRO	2	7.6	17	NRO	<0.034	<0.034	<0.036	<0.036	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Dibenzofuran	NRO	NRO	NRO	NRO	820	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Diethyl phthalate	1000000	2000	470	470	1000000	2000	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Dimethyl phthalate	NRO	NRO	NRO	NRO	NRO	NRO	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Di-n-butyl phthalate	200000	2300	2300	2300	200000	2300	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Di-n-octyl phthalate	41000	10000	10000	10000	4100	10000	<0.17	<0.17	<0.18	<0.18	<0.20	<0.20	<0.18	<0.19	<0.18	<0.17	<0.19	<0.18	<0.18
Fluorethane	82000	NRO	4300	21000	82000	NRO	<0.034	<0.034	<0.036	0.019 J	<0.039	0.038 J	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	<0.036
Fluorene	82000	NRO	560	2800	82000	NRO	<0.034	<0.034	<0.036	0.049	<0.039	<0.039	<0.036	<0.037	<0.035	<0.034	<0.037	<0.036	0.012 J
Hexachlorobenzene	4	1.8	2	11	78	2.6	<0.069	<0.069	<0.074	<0.072	<0.079	<0.079	<0.073	<0.075	<0.071	<0.070	<0.076	<0.074	<0.073

Table 6
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary
Lead (12/2013 and 3/2014)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																			
	Industrial/Commercial				Construction Worker															
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-01A (8-10')	GP-01B (16-18')	GP-02A (8-10')	GP-02B (16-18')	GP-03A (8-10')	GP-03B (16-18')	GP-04A (8-10')	GP-04B (12-14')	GP-05A (8-10')	GP-05B (15-17')	GP-06A (8-10')	GP-06B (18-20')	GP-06B (18-20')D	
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	12/20/13	12/20/13	12/19/13	12/19/13	12/19/13	12/19/13	12/19/13	
Lead	800	NRO	20.9	20.9	700	NRO	6.2 J-	14 J-	3.6 J-	7.4 J-	4.1 J-	6.2 J-	7.9 J-	8.1 J-	3.3 J-	8.9 J-	2.6 J-	4.0 J-	4.7 J-	

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																			
	Industrial/Commercial				Construction Worker															
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-07A (4-6')	GP-07B (8-10')	GP-07B (8-10')D	GP-08A (8-10')	GP-08B (13-15')	GP-09A (5-7')	GP-09B (8-10')	GP-10A (0-3')	GP-10B (11-13')	GP-11A (8-10')	GP-11B (17-19')	GP-11B (17-19')D	GP-12A (8-10')	
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	12/20/13	12/20/13	12/19/13	12/19/13	12/19/13	12/20/13	12/20/13	12/20/13	12/20/13	12/20/13	12/20/13	12/20/13	3/27/14	
Lead	800	NRO	20.9	20.9	700	NRO	10 J-	11 J-	8.5 J-	2.5 J-	5.8 J-	5.1 J-	3.5 J-	18 J-	2.0 J-	2.3 J-	4.0 J-	7.6 J-	13	

Analytical Results for Soil Samples	Exposure Routes for Specific SROs													
	Industrial/Commercial				Construction Worker									
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	GP-12B (10-12')	GP-13A (8-10')	GP-13A (8-10')D	GP-13B (10-12')	GP-14A (8-10')	GP-14B (16-18')	GP-15A (8-10')	GP-15B (12.5-14.5')
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14	3/27/14
Lead	800	NRO	20.9	20.9	700	NRO	11	4.1	10	4.3	2.9	4.1	11	9.2

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appendix B, Tables B, C and D.
All results are mg/Kg and dry weight unless otherwise requested.
Class I and Class II SROs are based on background concentrations for counties outside metropolitan areas, Appendix A, Table G, per footnote m in Appendix B, Table B.
NRO = (No Remediation Objective) was provided in 53 IAC 742 Appendix B, Tables B, C, or D.
J= Estimated result; J- is estimated low.
Estimated results that are reported between the MDL and RL (J flags) may be reported and are indicated with a flag.
All lead data qualified as J- because of low matrix spike recoveries.

Table 7
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary - BTEX and PNAs
(CDM Smith 2015)

Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		GP-16A (1'-3') 3/3/2015	GP-16A (DUP) (1'-3') 3/3/2015	GP-16B (10'-12') 3/3/2015	GP-17A (4'-6') 3/3/2015	GP-17B (10'-13') 3/3/2015	GP-18A (0'-3') 3/3/2015
	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II						
Benzene	100	1.6	2,300	2.2	0.03	0.17	<0.0062	<0.0051	<0.0052	<0.016	<0.0042	<0.0059
Toluene	410,000	650	410,000	42	12	29	<0.0062	<0.0051	<0.0052	0.014	<0.0042	<0.0059
Ethylbenzene	200,000	400	20,000	58	13	19	<0.0062	<0.0051	<0.0052	<0.016	<0.0042	<0.0059
Xylenes, Total	410,000	320	41,000	5.6	150	150	<0.012	<0.010	<0.010	0.033	<0.0085	<0.012
Acenaphthene	120,000	---	120,000	---	570	2,900	<0.035	<0.034	<0.038	<0.038	<0.035	<0.037
Acenaphthylene	610,000	---	610,000	---	85	420	<0.035	<0.034	<0.038	<0.038	<0.035	0.031
Anthracene	610,000	---	610,000	---	12,000	59,000	<0.035	<0.034	<0.038	0.01	<0.035	0.089
Benz(a)anthracene	8	---	170	---	2	8	0.0061 J	<0.034 UJ	0.0088	0.026	<0.035	0.19
Benzo(a)pyrene	0.8	---	17	---	8	82	<0.035	<0.034	<0.038	0.018	<0.035	0.15
Benzo(b)fluoranthene	8	---	170	---	5	25	<0.035	<0.034	0.0084	0.019	<0.035	0.23
Benzo(g,h,i)perylene	610,000	---	610,000	---	27000	130000	<0.035	<0.034	<0.038	0.025	<0.035	0.11
Benzo(k)fluoranthene	78	---	1,700	---	49	250	<0.035	<0.034	<0.038	0.013	<0.035	0.12
Chrysene	780	---	17,000	---	160	800	<0.035	<0.034	<0.038	0.032	<0.035	0.21
Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	<0.035	<0.034	<0.038	<0.038	<0.035	0.035
Fluoranthene	82,000	---	82,000	---	4,300	21,000	0.0070 J	<0.034 UJ	0.011	0.035	<0.035	0.46
Fluorene	82,000	---	82,000	---	560	2,800	<0.035	<0.034	<0.038	<0.038	<0.035	0.0079
Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	<0.035	<0.034	<0.038	<0.038	<0.035	0.093
Naphthalene	41,000	270	4,100	1.8	12	18	0.047	0.033	0.056	0.03	<0.035	0.11
Phenanthrene	610,000	---	610,000	---	200	1000	0.027	0.025	0.037	0.051	<0.035	0.68
Pyrene	61,000	---	61,000	---	4,200	21,000	0.0081	0.007	0.012	0.042	<0.035	0.34
pH	---						7.63	7.39	7.85	7.35	7.64	7.84

Notes:

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appendix B, Tables B, C and D.

Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.

All results are mg/Kg and dry weight unless otherwise requested

Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided; or background concentrations for counties outside metropolitan areas, Appendix A, Table A.

--- indicates (No Remediation Objective) was provided in tables.

J is estimated result; U is below method detection limit

All results are at concentrations below applicable SROs.

Table 7
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary - BTEX and PNAs
(CDM Smith 2015)

Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		GP-18B (10'-12') 3/3/2015	GP-19A (0'-3') 3/3/2015	GP-19B (4'-6') 3/3/2015	GP-20A (3'-5') 3/3/2015	GP-20B (5'-7') 3/3/2015	GP-21A (2'-4') 3/3/2015
	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II						
Benzene	100	1.6	2,300	2.2	0.03	0.17	<0.0054	<0.0054	<0.0052	<0.0066	<0.0053	<0.0048
Toluene	410,000	650	410,000	42	12	29	<0.0054	<0.0054	<0.0052	<0.0066	<0.0053	<0.0048
Ethylbenzene	200,000	400	20,000	58	13	19	<0.0054	<0.0054	<0.0052	<0.0066	<0.0053	<0.0048
Xylenes, Total	410,000	320	41,000	5.6	150	150	<0.011	<0.011	<0.010	<0.013	<0.011	<0.0096
Acenaphthene	120,000	---	120,000	---	570	2,900	<0.035	<0.037	0.02	0.032	<0.040	0.0093 J
Acenaphthylene	610,000	---	610,000	---	85	420	<0.035	0.017	0.0084	0.02	0.0072	0.0071
Anthracene	610,000	---	610,000	---	12,000	59,000	<0.035	0.032	0.04	0.14	0.028	0.025
Benz(a)anthracene	8	---	170	---	2	8	0.011	0.037	0.19	0.73	0.099	0.13
Benzo(a)pyrene	0.8	---	17	---	8	82	0.011	0.049	0.2	0.68	0.08	0.14
Benzo(b)fluoranthene	8	---	170	---	5	25	0.013	0.13	0.26	0.9	0.11	0.17
Benzo(g,h,i)perylene	610,000	---	610,000	---	27000	130000	<0.035	0.073	0.12	0.33	0.055	0.1
Benzo(k)fluoranthene	78	---	1,700	---	49	250	<0.035	0.057	0.12	0.39	0.053	0.087 J
Chrysene	780	---	17,000	---	160	800	0.012	0.07	0.2	0.76	0.1	0.14
Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	<0.035	0.021	0.045	0.13	0.01	0.037 J
Fluoranthene	82,000	---	82,000	---	4,300	21,000	0.012	0.064	0.28	1.5	0.14	0.21
Fluorene	82,000	---	82,000	---	560	2,800	<0.035	<0.037	0.013	0.023	<0.040	0.0066
Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	<0.035	0.059	0.12	0.3	0.048	0.081
Naphthalene	41,000	270	4,100	1.8	12	18	<0.035	0.0069	0.026	0.11	0.032	0.026
Phenanthrene	610,000	---	610,000	---	200	1000	<0.035	0.025	0.2	0.83	0.16	0.13
Pyrene	61,000	---	61,000	---	4,200	21,000	0.015	0.062	0.25	1.1	0.13	0.17
pH	---						6.45	6.78	6.86	6.76	7.45	7.42

Notes:

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appenc

Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.

All results are mg/Kg and dry weight unless otherwise requested

Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided; able G (per footnote m in Appendix B, Table B)

--- indicates (No Remediation Objective) was provided in tables.

J is estimated result; U is below method detection limit

All results are at concentrations below applicable SROs.

Table 7
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary - BTEX and PNAs
(CDM Smith 2015)

Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		GP-21A (DUP) (2'-4') 3/3/2015	GP-21B (5'-7') 3/3/2015
	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		
Benzene	100	1.6	2,300	2.2	0.03	0.17	<0.0046	<0.0063
Toluene	410,000	650	410,000	42	12	29	<0.0046	<0.0063
Ethylbenzene	200,000	400	20,000	58	13	19	<0.0046	<0.0063
Xylenes, Total	410,000	320	41,000	5.6	150	150	<0.0092	<0.013
Acenaphthene	120,000	---	120,000	---	570	2,900	<0.034 UJ	<0.20
Acenaphthylene	610,000	---	610,000	---	85	420	0.0072	0.028
Anthracene	610,000	---	610,000	---	12,000	59,000	0.022	0.12
Benz(a)anthracene	8	---	170	---	2	8	0.088	0.25
Benzo(a)pyrene	0.8	---	17	---	8	82	0.089	0.17
Benzo(b)fluoranthene	8	---	170	---	5	25	0.11	0.21
Benzo(g,h,i)perylene	610,000	---	610,000	---	27000	130000	0.073	0.2
Benzo(k)fluoranthene	78	---	1,700	---	49	250	0.041 J	0.12
Chrysene	780	---	17,000	---	160	800	0.1	0.29
Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	<0.034 UJ	<0.20
Fluoranthene	82,000	---	82,000	---	4,300	21,000	0.14	0.37
Fluorene	82,000	---	82,000	---	560	2,800	0.0052	0.035
Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	0.054	0.1
Naphthalene	41,000	270	4,100	1.8	12	18	0.024	0.063
Phenanthrene	610,000	---	610,000	---	200	1000	0.13	0.52
Pyrene	61,000	---	61,000	---	4,200	21,000	0.11	0.39
pH	---						7.59	7.3

Notes:

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appenc

Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.

All results are mg/Kg and dry weight unless otherwise requested

Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided;

--- indicates (No Remediation Objective) was provided in tables.

J is estimated result; U is below method detection limit

All results are at concentrations below applicable SROs.

Table 8
Illinois Railway Property, Wedron, IL
Soil Analytical Results Summary - Lead
(CDM Smith 2015)

Analytical Results for Soil Samples	Exposure Routes for Specific SROs																			
	Industrial/Commercial				Construction Worker		GP-16A	GP-16A (DUP)	GP-16B	GP-17A	GP-17B	GP-18A	GP-18B	GP-19A	GP-19B	GP-20A	GP-20B	GP-21A	GP-21A (DUP)	GP-21B
	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	(1'-3')	(1'-3')	(10'-12')	(4'-6')	(10'-13)	(0'-3)	(10'-12)	(0'-3)	(4'-6)	(3'-5)	(5'-7)	(2'-4)	(2'-4)	(5'-7)
	Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015
Lead	800	NRO	107	1420	700	NRO	7.7 J+	6.1 J+	11 J+	18 J+	5.2 J+	44 J+	7.7 J+	12 J+	120 J+	150 J+	95 J+	110 J+	120 J+	150 J+
pH							7.63	7.39	7.85	7.35	7.64	7.84	6.45	6.78	6.86	6.76	7.45	7.42	7.59	7.3

Exposure Routes for Soil Remediation Objectives (SROs) are based on 35 IAC 742 Appendix B, Tables B, C and D.

All results are mg/Kg and dry weight unless otherwise requested.

NRO = (No Remediation Objective) was provided in 53 IAC 742 Appendix B, Tables B, C, or D.

J+ = Estimated result

Results that are Shaded gray indicate that the measured concentration exceeds a Class I SRO.

Table 9
Illinois Railway Property, Wedron IL
Groundwater Analytical Results Summary
April 2014

Analyte	GROs		MW-12	MW-13	MW-14	MW-14D	MW-15
	Class I	Class II					
	mg/L	mg/L					
VOCs							
1,1,1-Trichloroethane	0.2	1	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
1,1,2,2-Tetrachloroethane	0.42	0.42	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
1,1,2-Trichloroethane	0.005	0.05	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
1,1-Dichloroethane	0.7	3.5	<0.0010	0.00067	<0.0010	<0.0010	<0.0020
1,1-Dichloroethene	0.007	0.035	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
1,2-Dichloroethane	0.005	0.025	<0.0010	0.00085	<0.0010	<0.0010	<0.0020
1,2-Dichloropropane	0.005	0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
1,3-Dichloropropene, Total	0.001	0.005	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
2-Hexanone	NRO	NRO	<0.0050	<0.0050	<0.0050	<0.0050	<0.010
Acetone	6.3	6.3	0.011	0.0077	0.041	0.034	<0.010
Benzene	0.005	0.025	<0.00050	<0.00050	0.0043	0.0042	0.027
Bromodichloromethane	0.0002	0.0002	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Bromoform	0.001	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Bromomethane	0.0098	0.049	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Carbon disulfide	0.7	3.5	<0.0050	<0.0050	0.0010	0.00082	<0.010
Carbon tetrachloride	0.005	0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Chlorobenzene	0.1	0.5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Chloroethane	NRO	NRO	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Chloroform	0.0002	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Chloromethane	NRO	NRO	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
cis-1,2-Dichloroethene	0.07	0.2	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
cis-1,3-Dichloropropene	NRO	NRO	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Dibromochloromethane	0.14	0.14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Ethylbenzene	0.7	1	0.0079	0.00036	0.041	0.042	2.1
Methyl Ethyl Ketone	4.2	4.2	<0.0050	<0.0050	0.025	0.017	<0.010
methyl isobutyl ketone	NRO	NRO	<0.0050	<0.0050	<0.0050	<0.0050	<0.010
Methyl tert-butyl ether	0.07	0.07	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Methylene Chloride	0.005	0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.010
Styrene	0.1	0.5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Tetrachloroethene	0.005	0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Toluene	1	2.5	0.00032	<0.00050	0.061	0.060	0.049
trans-1,2-Dichloroethene	0.1	0.5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
trans-1,3-Dichloropropene	NRO	NRO	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Trichloroethene	0.005	0.025	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010
Vinyl chloride	0.002	0.01	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010
Xylenes, Total	10	10	0.022	0.0013	0.33	0.36	3.2
SVOCs							
1,2,4-Trichlorobenzene	0.07	0.7	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
1,2-Dichlorobenzene	0.6	1.5	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
1,3-Dichlorobenzene	NRO	NRO	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
1,4-Dichlorobenzene	0.075	0.375	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
2,2'-oxybis[1-chloropropane]	NRO	NRO	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
2,4,5-Trichlorophenol	NRO	NRO	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
2,4,6-Trichlorophenol	NRO	NRO	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
2,4-Dichlorophenol	0.021	0.021	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
2,4-Dimethylphenol	0.14	0.14	<0.0080	<0.0083	0.0067	0.0075	0.0085
2,4-Dinitrophenol	0.014	0.014	<0.016	<0.017	<0.016	<0.017	<0.017

Table 9
Illinois Railway Property, Wedron IL
Groundwater Analytical Results Summary
April 2014

Analyte	GROs		MW-12 4/9/14	MW-13 4/9/14	MW-14 4/9/14	MW-14D 4/9/14	MW-15 4/9/14
	Class I	Class II					
	mg/L	mg/L					
SVOCs Cont'd							
2,4-Dinitrotoluene	0.00002	0.00002	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
2,6-Dinitrotoluene	0.00031	0.00031	<0.00040	<0.00041	<0.00039	<0.00042	<0.00042
2-Chloronaphthalene	0.56	2.8	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
2-Chlorophenol	NRO	NRO	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
2-Methylnaphthalene	0.028	0.14	0.00088	<0.00041	0.0050	0.0059	0.032
2-Methylphenol	0.35	0.35	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
2-Nitroaniline	0.021	0.021	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
2-Nitrophenol	NRO	NRO	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
3 & 4 Methylphenol	0.035	0.035	<0.0016	<0.0017	0.0011	<0.0017	<0.0017
3,3'-Dichlorobenzidine	0.02	0.1	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
3-Nitroaniline	0.0021	0.0021	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
4,6-Dinitro-2-methylphenol	0.0007	0.0007	<0.016	<0.017	<0.016	<0.017	<0.017
4-Bromophenyl phenyl ether	NRO	NRO	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
4-Chloro-3-methylphenol	NRO	NRO	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
4-Chloroaniline	0.028	0.028	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
4-Chlorophenyl phenyl ether	NRO	NRO	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
4-Nitroaniline	0.021	0.021	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
4-Nitrophenol	NRO	NRO	<0.016	<0.017	<0.016	<0.017	<0.017
Acenaphthene	0.42	2.1	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Acenaphthylene	0.21	1.05	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Anthracene	2.1	10.5	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Benzo[a]anthracene	0.00013	0.00065	<0.00013	<0.00013	<0.00013	<0.00014	<0.00014
Benzo[a]pyrene	0.0002	0.002	<0.00016	<0.00017	<0.00016	<0.00017	<0.00017
Benzo[b]fluoranthene	0.00018	0.0009	<0.00016	<0.00017	<0.00016	<0.00017	<0.00017
Benzo[g,h,i]perylene	0.21	1.05	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Benzo[k]fluoranthene	0.00017	0.00085	<0.00016	<0.00017	<0.00016	<0.00017	<0.00017
Bis(2-chloroethoxy)methane	NRO	NRO	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Bis(2-chloroethyl)ether	0.01	0.01	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Bis(2-ethylhexyl) phthalate	0.006	0.06	<0.0080	<0.0083	0.011	0.023	<0.0084
Butyl benzyl phthalate	1.4	7	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Carbazole	NRO	NRO	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
Chrysene	0.0015	0.0075	<0.00040	<0.00041	<0.00039	<0.00042	<0.00042
Dibenz(a,h)anthracene	0.0003	0.0015	<0.00024	<0.00025	<0.00023	<0.00025	<0.00025
Dibenzofuran	NRO	NRO	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Diethyl phthalate	5.6	5.6	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Dimethyl phthalate	NRO	NRO	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Di-n-butyl phthalate	0.7	3.5	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
Di-n-octyl phthalate	0.14	0.7	<0.0080	<0.0083	<0.0078	<0.0083	<0.0084
Fluoranthene	0.28	1.4	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Fluorene	0.28	1.4	<0.00080	<0.00083	<0.00078	<0.00083	0.00041
Hexachlorobenzene	0.00006	0.0003	<0.00040	<0.00041	<0.00039	<0.00042	<0.00042
Hexachlorobutadiene	0.007	0.035	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
Hexachlorocyclopentadiene	0.05	0.5	<0.016	<0.017	<0.016	<0.017	<0.017
Hexachloroethane	0.007	0.035	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
Indeno[1,2,3-cd]pyrene	0.00043	0.00215	<0.00016	<0.00017	<0.00016	<0.00017	<0.00017
Isophorone	1.4	1.4	<0.0016	<0.0017	<0.0016	<0.0017	<0.0017
Naphthalene	0.14	0.22	0.0018	<0.00083	0.016	0.018	0.15

Table 9
Illinois Railway Property, Wedron IL
Groundwater Analytical Results Summary
April 2014

Analyte	GROs		MW-12	MW-13	MW-14	MW-14D	MW-15
	Class I	Class II					
	mg/L	mg/L					
SVOCs Cont'd							
Nitrobenzene	0.0035	0.0035	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
N-Nitrosodi-n-propylamine	0.0018	0.0018	<0.00040	<0.00041	<0.00039	<0.00042	<0.00042
N-Nitrosodiphenylamine	0.0032	0.016	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Pentachlorophenol	0.001	0.005	<0.016	<0.017	<0.016	<0.017	<0.017
Phenanthrene	0.21	1.05	<0.00080	<0.00083	<0.00078	<0.00083	0.00039
Phenol	0.1	0.1	<0.0040	<0.0041	<0.0039	<0.0042	<0.0042
Pyrene	0.21	1.05	<0.00080	<0.00083	<0.00078	<0.00083	<0.00084
Inorganics							
Lead	0.0075	0.1	0.0067	0.020	0.030	0.027	0.0026

Notes:

Groundwater Remediation Objectives (GROs) are based on 35 IAC 742 Appendix B, Table E.

All results are mg/L unless otherwise requested.

Results that are BOLD font indicate that the measured concentration exceeds a Class I GRO.

Results that are Shaded gray indicate that the measured concentration exceeds a Class II GRO.

NRO = (No Remediation Objective) was provided in the tables.

Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit Oct 30, 2

Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag.

Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.

3&4-Methylphenol do not separate analytically on the columns and are reported as combined analytes.

Xylenes, Total is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.

Appendix A

Subsurface Investigation Soil Boring and Monitoring Well Logs

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-01
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
A 8'-10'	4.8/ 5.0	5			15 17 16 17 7 10 12	SM	SILTY SAND: Yellowish brown (10YR 5/8); 70% sand, pg, f-m; 30% silt, low plasticity; t gravel, f-c, sa-sr, max ϕ = 1.5"; dry to moist, no odor; darker stained at 0.9'-1.0'.
	5.0/ 5.0	10			8 12 12	ML	SANDY SILT: Yellowish brown (10YR 5/8); 60% silt, low plasticity; 40% sand, pg, f-c, mostly f; med stiff; moist, no odor.
					522 643 850	CL	CLAYEY SILT: Yellowish brown (10YR 5/4); stiff; mottled color; moist, no odor.
	4.0/ 5.0	15			7491 4660	SP	SAND: Brownish yellow (10YR 6/6); f-m, mostly m, pg; t gravel, f, sa-sr; 1" coarse sand lense at 12.5'; stained very dark gray (5Y 3/1) at 16'-18'; fuel odor at 16'-18'; moist.
	4.0/ 5.0		fuel		65ppm 56ppm 35ppm 6ppm	SP	
	2.5/ 5.0	20				CL	SILTY CLAY: Brown (10YR 4/3); m stiff to stiff; mottled color; moist, no odor.
						SP	SAND: Gray (5Y 5/1); f-m, pg; stained gray; wet, no odor.
							Refusal at bedrock at 22.5' bgs

WATER FIRST NOTICED: 18'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 22.5'		DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips	CHECKED BY:	DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET 1 of 1	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded, ϕ = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

CDM Smith				<i>Environmental Services</i>				
ENVIRONMENTAL BORING LOG								
PROJECT NAME Wedron, IL				BOREHOLE NUMBER GP-02				
OWNER/CLIENT Illinois Railway				PROJECT NUMBER 101127				
<i>Sampling</i>		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION	
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics	
A 8'-10'	3.5/ 5.0	5				SP-MH	55 GRAVELLY SAND WITH SILT: Light yellowish brown (10YR 6/4); pg sand, f-m, mostly m; f gravel, sa-sr, max ϕ = 0.4"; lenses (2") of asphalt at 1.0' and 2.0'; moist, no odor.	
							116	
							59	
							7	
							4	
	4.0/ 5.0	10					ML	3 SANDY SILT: Brown (7.5 YR 4/4); low plasticity silt; pg sand, f; t gravel, f, max ϕ = 0.3"; 2" gravel at 6.3'; moist, no odor.
								3
								3
								5
								0
3.6/ 5.0	15					SP	3 SAND: Yellowish brown (10YR 5/6); pg, m-c; t gravel; moist, no odor.	
							0	
							3	
							204	
							35	
4.0/ 5.0	20					SP	5 SAND: Brownish yellow (10YR 6/6); pg, f-m, mostly m; mottled color; moist, no odor.	
							5	
							1494	
							8239	
							2523	
B 16'-18'	3.0/ 5.0	25				CL	1973 CLAYEY SILT: Gray (10YR 5/1); low plasticity silt; m stiff; mottled color; moist, no odor.	
							>499ppm	
							334ppm	
						SP	SAND WITH GRAVEL: Light yellowish brown (10YR 6/4); color change to gray (10YR 6/1) at 14'; stained at 16'-18'; sand grades coarser at depth; moist to wet; fuel odor at 16'-18'	
						CL	SILTY CLAY: Gray (10YR 6/1); m stiff to stiff; low plasticity silt; moist, no odor.	
						SP	SAND: Very pale brown (10YR 8/3), pg, f (weathered sandstone formation); moist to wet, no odor.	
							Refusal at bedrock at 23' bgs	

WATER FIRST NOTICED: 18'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 23.0'	CHECKED BY:	DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ϕ = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-03
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
A 8'-10'	4.2/ 5.0	5			60 30 40	SM	SILTY SAND: Yellowish brown (10YR 6/6); sand c-f, pg; silt, low plasticity; t gravel; moist; slight stain and organic odor at 1.5'-3.5'; t asphalt at 1.5'-3.5'. (FILL)
					32 44	ML	SANDY SILT: Yellowish brown (10YR 5/6); soft to m stiff; t c sand; moist, no odor.
	3.5/ 5.0	10			15 54 32 35 36	SP	SAND: Brownish yellow (10YR 6/6); f-m, mostly m; t gravel; moist, no odor; silty lense at 9'-9.2'.
	4.6/ 5.0	15			331 750	CL	SILTY CLAY WITH LENSES OF SAND: Gray (10YR 6/1); m stiff to stiff; moist, no odor.
	3.5/ 5.0	20	slight fuel		14ppm 35ppm 10ppm 12ppm 5060 >499ppm 61 122	SP	SAND: Gray (10YR 6/1); f-m sand; t gravel; moist; stained and fuel odor at 18'-20'.
	5.0/ 5.0	25			6ppm 4ppm	CL	SILTY CLAY: Gray (10YR 6/1); m stiff to stiff; mottled color; moist to wet, no odor.
							End of boring at 25' bgs

WATER FIRST NOTICED: 18-20'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 25'	CHECKED BY:	DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME

Wedron, IL

BOREHOLE NUMBER

GP-04

OWNER/CLIENT

Illinois Railway

PROJECT NUMBER

101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 8'-10' MS	4.0/ 5.0	5				ML	SANDY SILT: Brown; m stiff; moist, no odor.
						ML	CLAYEY SILT: Strong brown (7.5YR 5/6); stiff, mottled color, dry, no odor.
						SM	SILTY SAND: Strong brown (7.5 YR 5/6); f-m sand; low plasticity silt; moist, no odor.
B 12'-14'	4.8/ 5.0	10				CL	SILTY CLAY: Strong brown (7.5YR 5/6); stiff, dy, no odor.
			stong		200		
	3.8/ 5.0	15	faint	gray	104ppm	SP	SAND: Grayish brown; f-m, grades with depth; petrol odor, strongest at 10'-11' and 14'-15'; stained gray at 12'-13' and black at 14'-15'; moist to wet at 14.5'.
			strong	black	39ppm		
	4.8/ 5.0	20				CL	CLAY WITH SILT: Strong brown (7.5YR 5/6); stiff; low plasticity; dense; moist to wet, no odor.
							Refusal at bedrock at 20' bgs

WATER FIRST NOTICED:

~14.5'

DRILLED BY:

CS Drilling

STATION:

NA

OFFSET:

NA

DEPTH TO WATER AT COMPLETION:

NA

LOGGED BY:

CDM - C.Cox

GROUND LEVEL (MSL):

NA

TOTAL DEPTH:

20'

DATE STARTED:

12/20/2013

FRIDAY

ABANDONMENT:

Bentonite chips

CHECKED BY:

DATE COMPLETED:

12/20/2013

EQUIPMENT:

DPT

SHEET 1 of 1

* PID not working properly .

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

CDM Smith				<i>Environmental Services</i>					
ENVIRONMENTAL BORING LOG									
PROJECT NAME Wedron, IL				BOREHOLE NUMBER GP-05					
OWNER/CLIENT Illinois Railway				PROJECT NUMBER 101127					
<i>Sampling</i>		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION		
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics		
A 8'-10'	3.0/ 5.0	5		light stain		SM	6 10 32 66 177 SILTY SAND WITH GRAVEL: Dark brown (10YR 2/2); pg sand, f-m, mostly m; low plasticity silt; f-c gravel, sa-sr, max ϕ = 1.0"; t asphalt at 2.5'-3' and 4.8'-5.0'; moist, no odor; light stained (?).		
							17 19 22 23 26 CL	SILTY CLAY: Very dark grayish brown (10YR 2/2); m stiff to soft; no odor, moist.	
							850 2303 2789 SP - SM	SAND WITH SILT: Brownish yellow (10YR 6/6); f-m sand, pg; non-plastic silt; t gravel, f-c, sa-sr, max ϕ = 1.5"; moist; slight organic odor at 10'-11'.	
							CL	SILTY CLAY: Gray (10YR 5/1); m stiff to stiff; mottled color; moist; no odor.	
							SP	GRAVELLY SAND: Pale brown (10YR 6/3); f-m sand; mostly m; gravel f-c, sa-sr; moist; no	
	B 15'-17'	5.0/ 5.0	15		strong fuel		SP	107ppm >499ppm 258ppm >499ppm >499ppm GRAVELLY SAND: Pale brown (10YR 6/3); f-m sand, pg; gravel f-c, sa-sr; moist to wet at 19'; strong fuel odor at 15'-16'; fuel odor at 16'-20'.	
								CL	SILTY CLAY: Gray (10YR 5/1); m stiff to stiff; moist; no odor.
								CL	SILTY CLAY: Gray (10YR 5/1); m stiff to stiff; low plasticity silt; moist to wet; no odor; lense of sand at 24'-24.5', sand is yellowish brown (10YR 5/4).
								CL	End of boring at 25' bgs

WATER FIRST NOTICED: 19'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 25'	CHECKED BY:	DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ϕ = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-06
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 8'-10' MS	4.0/	5			49	SP-SM	GRAVELLY SAND WITH SILT: Dark yellowish brown (10YR 4/4); f-m sand, pg; gravel f-c, sa-sr; low plasticity silt; moist; no odor.
	5.0				57		
					289		
					250	OL/OH	SANDY ORGANIC SOIL WITH GRAVEL: Very dark brown (10 YR 2/2); organic rich,
					143	CL	SILTY CLAY: Strong brown (7.5 YR 4/6); stiff to m stiff; low plasticity silt; moist, no odor.
					60		
	4.2/	10			144	SP	SAND: Brownish yellow (10YR 6/6); sand f-m, mostly m, pg; t gravel; moist, no odor.
	5.0				307		
					558		
					217		
					33	CL	SILTY CLAY: Yellowish brown (10YR 5/6); stiff to m stiff; low plasticity silt; moist, no odor.
B 18'-20' DUP	5.0/	15			281		
	5.0				58ppm		
			faint fuel		289	SP	SAND: Light brownish gray (10YR 6/2); f-m, well graded sand; t gravel at 17.5'-17.7'; stained gray (7.5YR 5/1) at 14'-15'; moist to wet at 14' (perched water); faint fuel odor at 14'-15' and 19'-20'.
					12ppm		
					17ppm		
					44ppm		
	3.0/	20			>499ppm	CL	SILTY CLAY: Gray (10YR 5/1); stiff to m stiff; low plasticity silt; moist to wet.
	5.0		faint fuel				
						BR	Weathered sandstone formation.
	3.0/	25					End of boring at 24.5' bgs
	5.0						

WATER FIRST NOTICED: 18'-20'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 24.5'	CHECKED BY:	DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

CDM Smith				<i>Environmental Services</i>			
ENVIRONMENTAL BORING LOG							
PROJECT NAME Wedron, IL				BOREHOLE NUMBER GP-07			
OWNER/CLIENT Illinois Railway				PROJECT NUMBER 101127			
<i>Sampling</i>		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 4'-6'	4.2/ 5.0	5	fuel odor at sand lenses only	gray	158	SP	GRAVELLY SAND: Gray; m sand; c-f gravel, sa; loose; moist, no odor.
					38		
					15	SM	SILTY SAND: Yellowish brown (10YR 5/4); f-m sand, mostly m, pg; loose; moist, no odor.
					491ppm		
B 8'-10' DUP	5.0/ 5.0	10	fuel odor at sand lenses only	gray	3154	ML	CLAYEY SILT: Yellowish brown (10YR 5/4); stiff; low plasticity silt; mottled color; sandy lenses (<1") each 8 to 12"; moist to wet in sand lenses; fuel odor in sandy lenses; stained gray (10YR 5/1) at 4'-5'.
					42ppm		
					199ppm		
					42ppm		
					199ppm		
					1477	GP	SANDY GRAVEL: Yellowish brown (10YR 5/4); c gravel, sr; pg sand; moist to wet, no odor.
					422	ML/ SP	Alternating CLAYEY SILT and SAND lenses: Yellowish brown (10YR 5/4); stiff, low plasticity clayey silt; f-m, well sorted sand; moist to wet, no odor; stained gray (10YR 5/1) at 10'-11'.
					230		
	231						
	1143						
			CL	SILTY CLAY: Gray brown; stiff, dense; low plasticity silt; wet, no odor.			
			BR	Weathered sandstone formation: Grayish white.			
							Refusal at bedrock at 17' bgs
WATER FIRST NOTICED: ~10'			DRILLED BY: CS Drilling			STATION: NA	
DEPTH TO WATER AT COMPLETION: NA			LOGGED BY: CDM - C.Cox			OFFSET: NA	
TOTAL DEPTH: 17'			CHECKED BY:			GROUND LEVEL (MSL): NA	
ABANDONMENT: Bentonite chips						DATE STARTED: 12/20/2013 FRIDAY	
EQUIPMENT: DPT						DATE COMPLETED: 12/20/2013	
						SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-08
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 8'-10'	3.8/ 5.0	5			58	SM	SILTY SAND: Dark grayish brown (10YR 4/4); f-m sand, pg; low plasticity silt; t gravel; t broken brick; t asphalt; dry to moist, no odor;; (FILL).
					42		
					1	CL	SILTY CLAY: Brown (10YR 4/4); stiff to m stiff; low plasticity silt; moist, no odor.
					2		
					10	SP	GRAVELLY SAND: Brown (10YR 4/4); m sand, pg; f-c gravel, sa-sr; moist, no odor.
B 13'-15'	4.0/ 5.0	10			3		
					0	SP	SAND: Light yellowish brown (10YR 6/4); f-m sand, pg; t gravel, f-c, sa-sr; moist, no odor.
					3		
					15	CL	SILTY CLAY: Yellowish brown (10YR 5/4); stiff; low plasticity silt; mottled color; moist, no odor; c igneous gravel at 13.5'-13.7'.
					25		
	4.8/ 5.0	15	faint fuel		3	SM	SILTY SAND: Grayish brown (10YR 5/2); f-m sand, well graded; low plasticity silt; t gravel; stained dark grayish brown (10YR 5/2) at 19'-21'; moist to wet at 17', no odor.
					67ppm		
					99.2ppm		
					2399		
					9.4		
	4.0/ 5.0	20			612	SM	
					5228		
					3259		
					1821		
					68ppm		
	3.5/ 5.0	25				CL	SILTY CLAY: Grayish brown (10YR 5/2); stiff; low plasticity; moist, no odor.
						BR	Weathered sandstone formation; wet.
							Refusal at bedrock at 23' bgs

WATER FIRST NOTICED: 17'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 23'	CHECKED BY:	DATE STARTED: 12/19/2013 THURSDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/19/2013	
EQUIPMENT: DPT		SHEET 1 of 1	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded, ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

CDM Smith				<i>Environmental Services</i>			
ENVIRONMENTAL BORING LOG							
PROJECT NAME Wedron, IL				BOREHOLE NUMBER GP-09			
OWNER/CLIENT Illinois Railway				PROJECT NUMBER 101127			
<i>Sampling</i>		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 5'-7'	4.8/ 5.0	5				0 0 0 3 0	SM SILTY SAND: Dark grayish brown (10YR 4/2); f-m sand, pg, loose; low plasticity silt; t CLAYEY SILT: Yellowish brown (10YR 5/6); low plasticity silt; m stiff; moist, no odor.
	4.2/ 5.0					0 0 0 0 0	SM SILTY SAND: Yellowish brown (10YR 5/8); pg sand, loose; low plasticity silt; t gravel at 6.8' 7.0'; moist, no odor.
B 8'-10'	3.7/ 5.0	10				0 0 0 0 0 0 0 0 0 1 4 0 1 0	SP/ CL Alternating SAND and SILTY CLAY lenses: Yellowish brown (10YR 5//6); well graded sand, f-m, mostly m; silty clay lenses are stiff with low plasticity and measure 1"- 4" thick at 8', 9.5', 12', 13.5', and 14.5'; t gravel at 7.8' and 17'-17.5'; color change to strong brown (7.5YR 5/6) at 17'-17.5'; moist to wet at 10', no odor.
	5.0/ 5.0					0 0 0 0 0 0 0 0 0 0 0 0 0 0	CL SILTY CLAY: Yellowish brown (10YR 5/6); stiff; low plasticity silt; mottled color; color change to gray (10YR 5/1) at 19'; moist, no odor.
	5.0/ 5.0	20				0 0	CL SILTY CLAY: Gray (10YR 5/1); stiff; low plasticity silt; moist to wet, no odor.
	5.0/ 5.0	25					End of boring at 25' bgs
WATER FIRST NOTICED: ~10'			DRILLED BY:			STATION: NA	
DEPTH TO WATER AT COMPLETION: NA			CS Drilling			OFFSET: NA	
TOTAL DEPTH: 25'			LOGGED BY:			GROUND LEVEL (MSL): NA	
ABANDONMENT: Bentonite chips			CDM - C.Cox			DATE STARTED: 12/20/2013 FRIDAY	
EQUIPMENT: DPT			CHECKED BY:			DATE COMPLETED: 12/20/2013	
						SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded, ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-10
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)					
LAB SAMPLE	RECOVERY		ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION
							Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 0'-3'	4.8/ 5.0	5				10 5 0	

WATER FIRST NOTICED: 13.5'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 25'	CHECKED BY:	DATE STARTED: 12/20/2013 FRIDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/20/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-11
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 8'-10'	4.0/ 5.0	5			0 9 13 20 0 10 38 13	FILL FILL CL	SAND AND GRAVEL: f-c gravel, sa-sr; m sand, pg; dry, no odor (FILL) FILL: Black granular material, similar to asphalt; t broken concrete; dry, no odor. SILTY CLAY: Dark yellowish brown (10YR 4/6); stiff, dense; low plasticity silt; color darkens to dark brown (10YR 2/2) at 2'-4'; moist, no odor.
	4.6/ 5.0	10			19 32	SP	SAND: Yellowish brown (10YR 5/6); m with some coarse sand, pg; 0.25" lense of clayey silt at 9.4'; moist, no odor.
	4.8/ 5.0	15			56 22 5 300 1871	ML	CLAYEY SILT: Light yellowish brown (10YR 6/4); stiff; low plasticity silt; mottled color; moist, no odor
	5.0/ 5.0	20	strong fuel		>499ppm 14ppm >499ppm 195ppm 56ppm	CL/ SP	Alternating lenses of SILTY CLAY and SAND: Pale brown (10YR 6/3), stiff, low plasticity silty clay; stained sand intervals at 18.5'-18.7', 20.2'-20.4', 21'-21.2', 22.5'-24'; sand has fuel odor, strongest at 16'-17"; wet.
	5.0/ 5.0	25	faint fuel odor	sand lenses stained	11 22 3 6 8	CL	CLAY WITH SILT: Gray (10YR 5/1); low plasticity silt; stiff; faint fuel odor; moist to wet.
							End of boring at 25' bgs

WATER FIRST NOTICED: ~18'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA	LOGGED BY: CDM - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 25'	CHECKED BY:	DATE STARTED: 12/20/2013 FRIDAY	
ABANDONMENT: Bentonite chips		DATE COMPLETED: 12/20/2013	
EQUIPMENT: DPT		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, sa = sub-angular, sr = sub-rounded,
 ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-12/MW-12
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppm)	USCS TYPE	MATERIAL DESCRIPTION	
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics	
A 8'-10' B 10'-12'	3.4/ 5.0	5	chemical odor	black stain lt stain	6.2	FL	GRAVEL: Gravel, loose, a, tan, moist (FILL).	
						FL	FILL: Silty sand, f-m sand, low plasticity silt, t asphalt and t grass; dark brown to black; no odor, moist.	
	2.0/ 5.0	10			11.1	CL	SILTY CLAY: Gray to brown silty clay. Soft to med stiff, mottled color; no odor, moist.	
						5.9 ML	CLAYEY SILT: t sand, f, pg, gray to brown, mottled color, no odor.	
	3.5/ 5.0	15			5.3		352.2	SM
						SP		SAND: f-m, pg, wet, odor, light stain, gray, t gravel.
	3.0/ 5.0	20			42.5	CL	SILTY CLAY: Brownish gray, mottled color, t gravel, f, m stiff to stiff, moist to wet, no odor.	
						13.1 SP-GP	SAND and GRAVEL: f-m sand pg, a-sa-sr gravel; max Ø = 0.75", dry to moist.	
	2.3 BR	BEDROCK: Weathered, sandstone pale brown to light tan, moist to wet.						

WATER FIRST NOTICED: ~13'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: 18.7'	LOGGED BY: CDM Smith - C.Cox	GROUND LEVEL (MSL): NA	DATE STARTED: 3/27/2014
TOTAL DEPTH: 19.91'	CHECKED BY:	DATE COMPLETED: 3/27/2014	SHEET <u>1</u> of <u>1</u>
ABANDONMENT: MW-12			
EQUIPMENT: DPT/HSA			

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, a = angular, sa = sub-angular, sr = sub-rounded, ϕ = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL	BOREHOLE NUMBER GP-13/MW-13
OWNER/CLIENT Illinois Railway	PROJECT NUMBER 101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppm)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 8'-10' DUP B 10'-12'	2.0/ 4.0	4			4.1	FL	FILL: Silty sand and gravel, dark brown to orangish brown, f-m sand, pg; f gravel sr-sa/low plasticity; moist, no odor.
					3.7		
	4.0					CL	SILTY CLAY: dark reddish brown low to m plasticity, soft, mottled color, t organic roots at 3.5' and between 4' - 6'; t coarse sand; t f gravel 4' to 6'; moist, no odor.
					2.1		
	1.5/ 4.0	8			1.0	SP	SAND: Orangish brown, t gravel c, sr, m-c pg; moist, no odor.
					6.5	SP	SAND: f-m-c.
	3.0/ 4.0	12			4.0	SM	SAND: f-m, orangish brown, t silt, moist.
					7.1	CL- SP	Alternating lenses of SILTY CLAY and SAND: Sand is f-m, pg; silty clay is soft to m stiff, orange/grayish brown mottled color, moist t wet at 12'; sand lenses are 0.5"-2" width.
	4.0/ 4.0	16			5.1		
					5.1	SP	SAND: f-c sand, pg, brown; wet, no odor.
	4.0/ 4.0	20			7.4		
					3.8	CL- SP	SILTY CLAY with SAND lenses: Silty clay is stiff, dense, gray; 2" lenses of sand: 19'-19.2', 21'-21.2'.
	4.0/ 4.0	24			10.8		
						BR	BEDROCK: Weathered sandstone
		28					
							End of boring at 30' bgs

WATER FIRST NOTICED: ~12'	DRILLED BY: CS Drilling	STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: 27.1'	LOGGED BY: CDM Smith - C.Cox	GROUND LEVEL (MSL): NA	
TOTAL DEPTH: 30'		DATE STARTED: 3/28/2014	
ABANDONMENT: MW-13	CHECKED BY:	DATE COMPLETED: 3/28/2014	
EQUIPMENT: DPT/HSA		SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, a = angular, sa = sub-angular, sr = sub-rounded, ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

CDM Smith						Environmental Services		
ENVIRONMENTAL BORING LOG								
PROJECT NAME				BOREHOLE NUMBER				
Wedron, IL				GP-14/MW-14				
OWNER/CLIENT				PROJECT NUMBER				
Illinois Railway				101127				
Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppm)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics	
LAB SAMPLE	RECOVERY							
A 8'-10'	3.4/ 5.0	5				4.8 SM-GM	SILTY SAND and GRAVEL: f-c gravel, a-sa-sr max ø =2"; f-m sand, pg, low plasticity, brown t roots @ 0-5"; moist, no odor.	
	3.2/ 5.0					4.6 ML	CLAYEY SILT to 18.5 ft: Low to m plasticity, soft to m stiff, yellowish reddish brown; sand (~10% from 6.5'-7').	
						5.0	7.1 SP	SAND: f-m, pg, tan to brown, moist, no odor.
						5.0/ 5.0		7.9 CL-SP
	B 16'-18'					4.2/ 5.0	15	faint
21.5 CL SP		SILTY CLAY (18'-18.5' and 18.9'-20'): Stiff, gray brown, moist to wet, low plasticity, mottled color; SAND (18.5'-18.9'): f-m, pg, stained gray, faint odor, wet.						
5.0/ 5.0		20	faint	gray	4.4	CL	SILTY CLAY: Grayish brown, m stiff, low plasticity, dense, moist to wet, lense of sand at 22.2'-22.5'.	
							1.6	BEDROCK: Weathered sandstone
						BR		
						End of boring at 34' bgs		
WATER FIRST NOTICED:			DRILLED BY:			STATION:		
~12'			CS Drilling			NA		
DEPTH TO WATER AT COMPLETION:			LOGGED BY:			GROUND LEVEL (MSL):		
26.94'			CDM Smith - C.Cox			NA		
TOTAL DEPTH:			CHECKED BY:			DATE STARTED:		
34'						3/28/2014		
ABANDONMENT:						DATE COMPLETED:		
MW-14						3/28/2014		
EQUIPMENT:						SHEET <u>1</u> of <u>1</u>		
DPT/HSA								

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, a= angular, sa = sub-angular, sr = sub-rounded, ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

CDM Smith				<i>Environmental Services</i>			
ENVIRONMENTAL BORING LOG							
PROJECT NAME Wedron, IL				BOREHOLE NUMBER GP-15/MW-15			
OWNER/CLIENT Illinois Railway				PROJECT NUMBER 101127			
Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppm)	USCS TYPE	MATERIAL DESCRIPTION
LAB SAMPLE	RECOVERY						Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp. moist, wet), Organics
A 8'-10'	4.5/ 5.0	5			6.1	FL	GRAVEL: Roadbase, tan to light brown sand and gravel, f gravel, a-sa, f sand, pg, most, no odor (FILL)
B 12.5'-14.5'	2.6/ 5.0	10	odor	gray-black	7.3	SM-GM	SILTY SAND and GRAVEL: f gravel sa-sr, pg sand f-c, low plasticity silt; orangish brown mottled color, moist, no odor; 7'-7.5' chert grayish brown broken.
	3.8/ 5.0	15	faint	gray	54.5	CL	SILTY CLAY: m stiff, low plasticity, gray brown, moist, no odor.
	0.5/ 5.0	20	strong	black	1203	SM	SILTY SAND: f, pg, low plasticity, stained gray-black, odor, mottled at 10'-10.5'.
		25			1093	SC	SAND and GRAVEL: f-m sand, f-c gravel, sa-sr, stained gray, faint odor.
						SP/ GP	SILTY SAND (12.5'-14.5'): m sand, pg, low plasticity silt, stained black, odor, moist to wet at 14.5'; SILTY CLAY (14.5'-15.): gray brown, mottled, stiff to m stiff, low plasticity, moist to wet
						BR	SAND and GRAVEL: low recovery, m-c sand, pg, f-c gravel, sa-sr, light brown gray, moist, not odor
							BEDROCK: Weathered, sandstone f-m; light tan, moist to dry
							End of boring at 19.9' bgs
WATER FIRST NOTICED: ~14.5'			DRILLED BY: CS Drilling			STATION: NA	
DEPTH TO WATER AT COMPLETION: 13.9'			LOGGED BY: CDM Smith - C.Cox			OFFSET: NA	
TOTAL DEPTH: 19.9'			CHECKED BY:			GROUND LEVEL (MSL): NA	
ABANDONMENT: MW-15						DATE STARTED: 3/27/2014	
EQUIPMENT: DPT/HSA						DATE COMPLETED: 3/27/2014	
						SHEET <u>1</u> of <u>1</u>	

Abbreviations: f = fine, m = medium, c = coarse, pg = poorly graded, t = trace, a= angular, sa = sub-angular, sr = sub-rounded, ø = diameter, ppm = parts per million, ppb = parts per billion, bgs = below ground surface, >499 ppm = greater than PID limits

ENVIRONMENTAL BORING LOG

PROJECT NAME	BOREHOLE NUMBER
Wedron, IL	GP-16
OWNER/CLIENT	PROJECT NUMBER
Illinois Railway	101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 0'-3' DUP	4.8/	5.0			0	FILL	0-0.5' GRAVEL. 0.5' - 1' SILTY SAND, medium brown. 1'-1.1' ASPHALT
					3	FILL	SILTY SAND with some gravel: light tan to brown, fine sand, moist, no odor.
					21		
					0	FILL	SILTY SAND & ASPHALT mix: dark brown, some gravel, trace broken glass, moist, no odor.
					0	FILL	SANDY SILT: dark brown, trace asphalt, moist, no odor.
B 10'-12'	5.0	5			0	SP-SM	SAND with some silt: light to medium brown, fine to medium sand, some gravel, moist, no odor.
					0	ML	CLAYEY SILT: gray brown, low plasticity, moist, no odor.
					0	SM	SILTY SAND: light to medium gray, fine to medium sand, moist, no odor.
					0	SM	SILTY SAND: tan to medium brown, some coarse to fine round to subrounded gravel, moist, no odor.
					0	ML	Alternating lenses (1"-2") SANDY SILT & CLAYEY SILT: mottled medium to light brown, wet at 12.5' bgs, no odor.
	3.0/	5.0			0	CL	SILTY CLAY: medium to light brown, medium stiff, dense, wet, no odor.
					0		
					0	BR	Weathered sandstone formation: light to medium brown, moist to dry, no odor.
					0		
					0		Refusal at bedrock at 19.7' bgs
	4.5/	5.0			0		
					0		
					0		
					0		
					0		
	5.0	20			0		
					0		
					0		
					0		
					0		

WATER FIRST NOTICED:	DRILLED BY:	STATION:	OFFSET:
12.5 ft bgs	CS Drilling	NA	NA
DEPTH TO WATER AT COMPLETION:	LOGGED BY:	GROUND LEVEL (MSL):	
NA	CDM Smith - C.Cox	523.5 ft	
TOTAL DEPTH:	CHECKED BY:	DATE STARTED:	
19.7 ft bgs	CDM Smith - C. Albrecht	3/3/2015	
ABANDONMENT:		DATE COMPLETED:	
Bentonite chips		3/3/2015	
EQUIPMENT:		SHEET 1 of 1	
DPT			

ENVIRONMENTAL BORING LOG

PROJECT NAME

BOREHOLE NUMBER

Wedron, IL

GP-17

OWNER/CLIENT

PROJECT NUMBER

Illinois Railway

101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 4'-6' MS	4.2/ 5.0	5		possible light stain	3	FILL	GRAVEL: gray
					13	FILL	SAND WITH SILT: dark brown to gray, fine to medium sand, moist, no odor.
					6		
					0	FILL	SAND & ASPHALT mix: dark brown, trace gravel, trace glass, possible staining at 4.8-5.5' bgs, moist, no odor.
B 10'-13'	3.5/ 5.0	10			0	FILL	SILTY SAND: dark brown, possible stained, moist, no odor.
					0		
					3	FILL	SILTY SAND: mottled brown, fine to medium sand, moist, no odor.
					0		
					5	FILL	
					0	FILL	BROKEN GRANITE: white and black, pieces of metal ~ 1" long and 1 mm thick, dry, no odor.
					0	FILL	GRAVELLY SAND: orange to brown, fine to medium sand, fine subrounded gravel, moist, no odor.
					11		
	3.7/ 3.0/	15			0		
					3	FILL	GRANITE broken and partially pulverized, white & black, wet at 13.0' bgs, no odor.
					7	ML/ SM	Alternating lenses (1"-2") CLAYEY SILT & SILTY SAND with trace gravel: mottled medium brown to orange-tan, wet, no odor.
					0	BR	Weathered, sandstone very light brown to light tan, moist, no odor.
	1.6/ 5.0	20			0		Refusal at bedrock at 16.6' bgs

WATER FIRST NOTICED:		DRILLED BY:		STATION:	OFFSET:
13.0 ft bgs		CS Drilling		NA	NA
DEPTH TO WATER AT COMPLETION:		LOGGED BY:		GROUND LEVEL (MSL):	
NA		CDM Smith - C.Cox		522.8 ft	
TOTAL DEPTH:		CHECKED BY:		DATE STARTED:	
16.6 ft bgs		CDM Smith - C. Albrecht		3/3/2015	
ABANDONMENT:				DATE COMPLETED:	
Bentonite chips				3/3/2015	
EQUIPMENT:				SHEET <u>1</u> of <u>1</u>	
DPI					

Abbreviations: ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME

BOREHOLE NUMBER

Wedron, IL

GP-18

OWNER/CLIENT

PROJECT NUMBER

Illinois Railway

101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics		
LAB SAMPLE	RECOVERY								
A 0'-3'	4.8/	5		possible light stain	0	FILL	SILTY SAND: medium to dark gray, fine to medium sand, moist, no odor.		
					10				
					13	FILL	ASPHALT & BRICK mix		
					0	FILL	SAND WITH ASPHALT LENSES (0.5"): light tan to dark brown, fine sand, possible staining darker from the asphalt, no odor, moist to dry.		
B 10'-12'	5.0	5			5				
					0	FILL	ASPHALT & BRICK mix, dry, no odor.		
					7				
					3	FILL	SILTY SAND: medium brown to brownish gray, fine sand, increasing silt content with depth, few gravel pieces, moist, no odor.		
					10				
					0	FILL	SILTY SAND: brown-orange, fine sand, increasing silt content with depth, some gravel, moist, no odor.		
					0	FILL	SAND WITH SILT AND GRAVEL: light brown to orange-brown, fine to medium sand, subangular to angular fine igneous gravel, moist to dry, no odor.		
					0	SM/CL	Alternating lenses (0.5"-1") SILTY SAND & SILTY CLAY: medium brown with some mottling, wet AT 12.0' bgs, no odor.		
	5.0	15			0	CL	SILTY CLAY: reddish brown, mottled, low to medium plasticity, moist to wet, no odor.		
					0				
					0	BR	Weathered sandstone: light tan, fine sand, moist, no odor.		
	0.7/	20					Refusal at bedrock at 15.9' bgs		
WATER FIRST NOTICED:			DRILLED BY:			STATION:		OFFSET:	
12.0 ft bgs			CS Drilling			NA		NA	
DEPTH TO WATER AT COMPLETION:			LOGGED BY:			GROUND LEVEL (MSL):			
NA			CDM Smith - C.Cox			520.6 ft			
TOTAL DEPTH:			CDM Smith - C.Cox			DATE STARTED:			
15.9 ft bgs						3/3/2015			
ABANDONMENT:			CHECKED BY:			DATE COMPLETED:			
Bentonite chips						3/3/2015			
EQUIPMENT:			CDM Smith - C. Albrecht			SHEET 1 of 1			
DPT									

Abbreviations: ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME	BOREHOLE NUMBER
Wedron, IL	GP-19
OWNER/CLIENT	PROJECT NUMBER
Illinois Railway	101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 0'-3'	4.5/	5.0			0	FILL	SILTY SAND: light gray to gray brown, fine to medium sand, moist, no odor.
					0		
					0	FILL	SAND: light tan to medium brown, fine sand, trace subrounded gravel, loose, moist, no odor.
B 4'-6'	5.0	5		possible light stain	0	FILL	SILTY SAND: dark brown to gray-brown, fine to medium sand, trace gravel, 1" diameter wood chunk at 4.7' bgs, trace brick and asphalt, possible slight stain, moist, no odor.
					2		
					0	SM	SILTY SAND WITH CLAY: orange to reddish brown, trace angular or broken gravel, wet at 6.0' bgs, no odor.
					0		
					0	SM	SILTY SAND WITH GRAVEL: medium to light brown, medium sand, loose, subangular to subrounded gravel, wet, no odor.
					0		
					0	SP	SAND: brown to tan, fine to medium sand, some gravel, wet, no odor.
					0	SP	SAND AND GRAVEL: light to medium brown, medium to fine sand, subrounded to subangular fine gravel, wet, no odor.
					0		
					0	ML	CLAYEY SILT: medium gray-brown, slight mottled color, non-plastic, moist to wet, no odor.
					0		
					0	BR	Weathered sandstone: light tan, fine sand, dry to moist, no odor.
					0		
					0		Refusal at bedrock at 16.1' bgs

WATER FIRST NOTICED:	6.0 ft bgs	DRILLED BY:	CS Drilling	STATION:	NA	OFFSET:	NA
DEPTH TO WATER AT COMPLETION:	NA	LOGGED BY:	CDM Smith - C.Cox	GROUND LEVEL (MSL):	520.4 ft		
TOTAL DEPTH:	16.1 ft bgs	CHECKED BY:	CDM Smith - C. Albrecht	DATE STARTED:	3/3/2015		
ABANDONMENT:	Bentonite chips			DATE COMPLETED:	3/3/2015		
EQUIPMENT:	DPT			SHEET <u>1</u> of <u>1</u>			

Abbreviations: ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME

BOREHOLE NUMBER

Wedron, IL

GP-20

OWNER/CLIENT

PROJECT NUMBER

Illinois Railway

101127

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 3'-5' B 5'-7'	4.4/ 5.0 5 4.3/ 5.0 10 3.8/ 3.0/ 15 4.0/ 5.0 20				0	FILL	SILTY SAND: medium brown, medium to fine sand, some subangular to subrounded fine gravel, moist to wet, no odor.
					0	FILL	SAND: light gray-brown, fine sand, moist to wet, no odor.
					0	FILL	GRAVELLY SAND: light gray-brown, very granular material of broken brick, glass, asphalt, and soil, moist to dry, no odor.
					0	ML	CLAYEY SILT: mottled dark to medium brown, trace sand, trace fine gravel, moist, no odor.
					0		
					0		
					0		
					0	CL/ SP	Alternating layers (6"-8") SILTY CLAY & SAND: medium brown with some mottling, medium sand, moist to wet and wet at 11.5' bgs, no odor.
					0		
					0	CL	SILTY CLAY: medium brown to yellow brown, sticky, low to medium plasticity, trace sand, trace gravel, wet, no odor.
					0	BR	Weathered sandstone: gray to orange to light yellow-tan, fine sand, moist to dry, no odor.
							Refusal at bedrock at 18.3' bgs

WATER FIRST NOTICED:

11.5 ft bgs

DRILLED BY:

CS Drilling

STATION:

NA

OFFSET:

NA

DEPTH TO WATER AT COMPLETION:

NA

LOGGED BY:

CDM Smith - C.Cox

GROUND LEVEL (MSL):

521.5 ft

TOTAL DEPTH:

18.3 ft bgs

CHECKED BY:

CDM Smith - C. Albrecht

DATE STARTED:

3/3/2015

DATE COMPLETED:

3/3/2015

ABANDONMENT:

Bentonite chips

EQUIPMENT:

DPT

SHEET 1 of 1

Abbreviations: ppb = parts per billion, bgs = below ground surface

ENVIRONMENTAL BORING LOG

PROJECT NAME Wedron, IL		BOREHOLE NUMBER GP-21	
OWNER/CLIENT Illinois Railway		PROJECT NUMBER 101127	

Sampling		DEPTH (FT.)	ODOR	STAIN	OVM (ppb)	USCS TYPE	MATERIAL DESCRIPTION Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics
LAB SAMPLE	RECOVERY						
A 2'-4' DUP	4.9/	5			0	FILL	GRAVELLY SANDY SILT: medium brown, fine sand, subangular to subrounded fine gravel, moist, no odor.
	5.0				0	FILL	SAND: very light tan, fine to medium sand, moist to wet, no odor.
					0	FILL	GRAVELLY SANDY SILT: medium brown to orange-brown, subangular fine gravel, broken glass and brick, moist, no odor.
					0	FILL	CLAYEY SILT WITH SAND: dark gray brown, fine sand, non-plastic, trace glass and asphalt at 5.8'-6', moist, no odor.
B 5'-7'	4.0/	10			0	ML	CLAYEY SILT: mottled orange brown to grayish greenish brown, moist, no odor.
	5.0				0	ML	CLAYEY SILT: brown-gray, low plasticity, wet at 10.0' bgs, no odor
					0	SM	SILTY SAND: mottled orange-brown, fine to medium sand, wet, no odor.
	4.9/				0	SM	GRAVELLY SILTY SAND: mottled orange-brown, subangular to subrounded gravel, wet, no odor.
	3.0/				0	CL	SILTY CLAY: mottled gray-brown to medium gray, low plasticity, dense, moist to wet, no odor.
					0	CL	SILTY CLAY with lenses of SAND at 16.9'-17' and 16.4'-16.5' bgs: mottled gray-brown to brown, low plasticity, dense, wet, no odor.
	4.0/				0	BR	Weathered sandstone: gray to orange to light yellow-tan, fine sand, moist to dry, no odor.
	5.0				0		Refusal at bedrock at 19.0' bgs

WATER FIRST NOTICED: 10.0 ft bgs		DRILLED BY: CS Drilling		STATION: NA	OFFSET: NA
DEPTH TO WATER AT COMPLETION: NA		LOGGED BY: CDM Smith - C.Cox		GROUND LEVEL (MSL): 521.6 ft	
TOTAL DEPTH: 19 ft bgs		CHECKED BY: CDM Smith - C. Albrecht		DATE STARTED: 3/3/2015	
ABANDONMENT: Bentonite chips				DATE COMPLETED: 3/3/2015	
EQUIPMENT: DPI				SHEET <u>1</u> of <u>1</u>	

Abbreviations: ppb = parts per billion, bgs = below ground surface



Illinois Environmental Protection Agency

Well Completion Report

Site Number: _____ County: LaSalleSite Name: WEDRON, IL RAILWAYWell #: MW-12

State: _____

Plane Coordinate: X _____ Y _____ (or) Latitude: _____ Longitude: _____

Borehole #: GP-12Northing and Easting: 25413.4370, 23254.5954Surveyed by: Vegryn, Sarver and Associates, Inc.

IL Registration #: _____

Drilling Contractor: C.S. DrillingDriller: Marc NataliConsulting Firm: CDM Smith

Geologist: _____

Drilling Method: HSADrilling Fluid (Type): NoneLogged By: C.CoxDate Started: 03/27/13 Date Finished: 03/27/13Report Form
Completed By: C.CoxDate: 03/27/13

ANNULAR SPACE DETAILS

Type of Surface Seal: Flush mountType of Annular Sealant: ConcreteInstallation Method: Pour

Setting Time: _____

Type of Bentonite Seal - - Granular, Pe~~Net~~, Slurry
(Choose One)Installation Method: Slow drop from bag

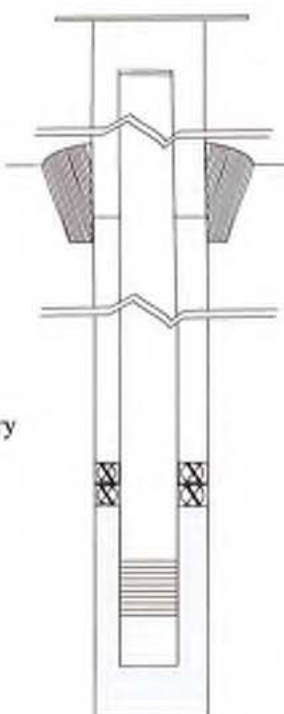
Setting Time: _____

Type of Sand Pack: Slow drop from bagGrain Size: #5 (Sieve Size)Installation Method: Slow drop from bagType of Backfill Material: NA
(if applicable)Installation Method: NA

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other



Elevations (MSL)*	Depths (BGS)	(.01ft.)
521.30	-0.03	Top of Protective Casing
520.88	0.39	Top of Riser Pipe
521.27	0	Ground Surface
521.22	0.5	Top of Annular Sealant
502.57	18.7	Static Water Level (After Completion)
520.27	1	Top of Seal
513.57	7.7	Top of Sand Pack
511.66	9.61	Top of Screen
501.66	19.61	Bottom of Screen
501.96	19.91	Bottom of Well
501.96	19.91	Bottom of Borehole

* Referenced to a National Geodetic Datum

CASING MEASUREMENTS

Diameter of Borehole (inches)	8.5
ID of Riser Pipe (inches)	4.25
Protective Casing Length (feet)	1
Riser Pipe Length (feet)	10
Bottom of Screen to End Cap (feet)	6.2
Screen Length (1" slot to last slot) (feet)	10
Total Length of Casing (feet)	20
Screen Slot Size **	0.10

**Hand-Slotted Well Screens are Unacceptable



Illinois Environmental Protection Agency

Well Completion Report

Site Number: _____ County: LaSalleSite Name: WEDRON, IL RAILWAYWell #: MW-13

State: _____

Plane Coordinate: X _____ Y _____ (or) Latitude: _____ Longitude: _____

Borehole #: GP-13Northing and Easting: 25889.2306, 23479.4250Surveyed by: Vegryn, Sarver and Associates, Inc.

IL Registration #: _____

Drilling Contractor: C.S. DrillingDriller: Marc NataliConsulting Firm: CDM Smith

Geologist: _____

Drilling Method: HSADrilling Fluid (Type): NoneLogged By: C.CoxDate Started: 03/28/13 Date Finished: 03/28/13

Report Form

Completed By: C.CoxDate: 03/28/13

ANNULAR SPACE DETAILS

Elevations (MSL)* Depths (BGS) (.01ft.)

Type of Surface Seal: Flush mountType of Annular Sealant: ConcreteInstallation Method: Pour

Setting Time: _____

Type of Bentonite Seal - - Granular, Pe~~Net~~, Slurry
(Choose One)Installation Method: Slow drop from bag

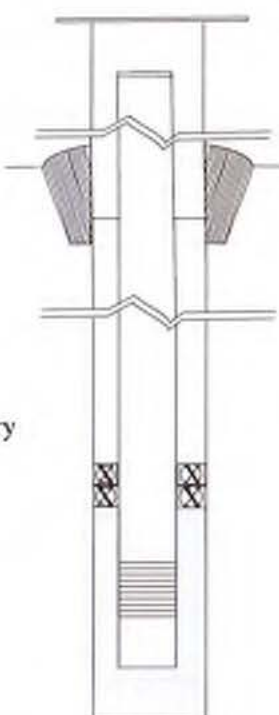
Setting Time: _____

Type of Sand Pack: Slow drop from bagGrain Size: #5 (Sieve Size)Installation Method: Slow drop from bagType of Backfill Material: NA
(if applicable)Installation Method: NA

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other



528.25	-0.13	Top of Protective Casing
528.91	0.21	Top of Riser Pipe
529.12	0	Ground Surface
528.62	0.5	Top of Annular Sealant
502.02	27.1	Static Water Level (After Completion)
528.12	1	Top of Seal
511.42	17.7	Top of Sand Pack
509.42	19.7	Top of Screen
499.42	29.7	Bottom of Screen
499.42	29.7	Bottom of Well
499.12	30	Bottom of Borehole

* Referenced to a National Geodetic Datum

CASING MEASUREMENTS

Diameter of Borehole (inches)	8.5
ID of Riser Pipe (inches)	6.25
Protective Casing Length (feet)	1
Riser Pipe Length (feet)	11.7
Bottom of Screen to End Cap (feet)	6.2
Screen Length (1" slot to last slot) (feet)	10
Total Length of Casing (feet)	28.7
Screen Slot Size **	0.10

**Hand-Slotted Well Screens are Unacceptable



Illinois Environmental Protection Agency

Well Completion Report

Site Number: _____ County: LaSalle

Site Name: WEDRON, IL RAILWAY

Well #: MW-14

State: _____

Plane Coordinate: X _____ Y _____ (or) Latitude: _____ Longitude: _____

Borehole #: GP-14

Northing and Easting: 25787.3443, 23428.0667

Surveyed by: Vegzyn, Sarver and Associates, Inc.

IL Registration #: _____

Drilling Contractor: C.S. Drilling

Driller: Marc Natali

Consulting Firm: CDM Smith

Geologist: _____

Drilling Method: HSA

Drilling Fluid (Type): None

Logged By: C.Cox

Date Started: 03/28/13 Date Finished: 03/28/13

Report Form Completed By: C.Cox

Date: 03/28/13

ANNULAR SPACE DETAILS

Type of Surface Seal: Flush mount

Type of Annular Sealant: Concrete

Installation Method: Pour

Setting Time: _____

Type of Bentonite Seal - - Granular, Pe~~Net~~, Slurry
(Choose One)

Installation Method: Slow drop from bag

Setting Time: _____

Type of Sand Pack: Slow drop from bag

Grain Size: #5 (Sieve Size)

Installation Method: Slow drop from bag

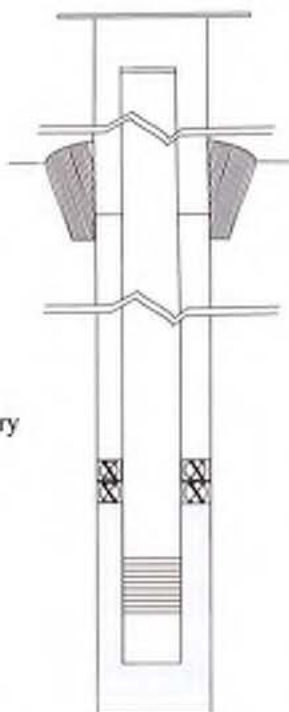
Type of Backfill Material: NA
(if applicable)

Installation Method: NA

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other



Elevations (MSL)*	Depths (BGS)	(.01ft.)
529.18	-0.15	Top of Protective Casing
528.97	0.06	Top of Riser Pipe
529.03	0	Ground Surface
528.53	0.5	Top of Annular Sealant
502.09	26.94	Static Water Level (After Completion)
528.03	1	Top of Seal
507.33	21.7	Top of Sand Pack
505.33	23.7	Top of Screen
495.33	33.7	Bottom of Screen
495.33	33.7	Bottom of Well
495.03	34	Bottom of Borehole

* Referenced to a National Geodetic Datum

CASING MEASUREMENTS

Diameter of Borehole (inches)	8.5
ID of Riser Pipe (inches)	4.25
Protective Casing Length (feet)	1
Riser Pipe Length (feet)	25.7
Bottom of Screen to End Cap (feet)	0.2
Screen Length (1" slot to last slot) (feet)	10
Total Length of Casing (feet)	36
Screen Slot Size **	0.10

**Hand-Slotted Well Screens are Unacceptable



Illinois Environmental Protection Agency

Well Completion Report

Site Number: _____ County: LaSalle

Site Name: WEDRON, IL RAILWAY

Well #: MW-15

State: _____ 0' " 0' "

Plane Coordinate: X _____ Y _____ (or) Latitude: _____ Longitude: _____

Borehole #: GP-15

Northing and Easting: 25396.9680, 23373.1758

Surveyed by: Vegryn, Sarver and Associates, Inc.

IL Registration #: _____

Drilling Contractor: C.S. Drilling

Driller: Marc Natali

Consulting Firm: CDM Smith

Geologist: _____

Drilling Method: HSA

Drilling Fluid (Type): None

Logged By: C.Cox

Date Started: 03/27/13 Date Finished: 03/27/13

Report Form Completed By: C.Cox

Date: 03/27/13

ANNULAR SPACE DETAILS

Type of Surface Seal: Flush mount

Type of Annular Sealant: Concrete

Installation Method: Pour

Setting Time: _____

Type of Bentonite Seal - - Granular, Pe~~Net~~, Slurry
(Choose One)

Installation Method: Slow drop from bag

Setting Time: _____

Type of Sand Pack: Slow drop from bag

Grain Size: #5 (Sieve Size)

Installation Method: Slow drop from bag

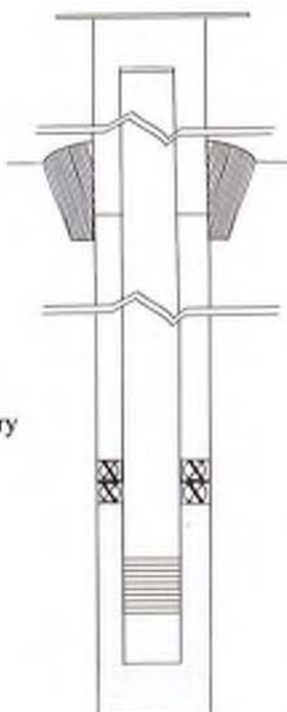
Type of Backfill Material: NA
(if applicable)

Installation Method: NA

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other



Elevations (MSL)*	Depths (BGS)	(.01ft.)
521.31	-0.06	Top of Protective Casing
520.98	0.27	Top of Riser Pipe
521.25	0	Ground Surface
520.75	0.5	Top of Annular Sealant
507.35	13.9	Static Water Level (After Completion)
520.25	1	Top of Seal
513.65	7.6	Top of Sand Pack
511.65	9.6	Top of Screen
501.65	19.6	Bottom of Screen
501.65	19.9	Bottom of Well
501.35	19.9	Bottom of Borehole

* Referenced to a National Geodetic Datum

CASING MEASUREMENTS

Diameter of Borehole (inches)	8.5
ID of Riser Pipe (inches)	4.25
Protective Casing Length (feet)	1
Riser Pipe Length (feet)	10
Bottom of Screen to End Cap (feet)	8.2
Screen Length (1" slot to last slot) (feet)	10
Total Length of Casing (feet)	28
Screen Slot Size **	6.10

**Hand-Slotted Well Screens are Unacceptable

Appendix B

Laboratory Analytical Results and Chain of Custody Form

CDM Smith 2012 DATA

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

September 17, 2012

Camp, Dresser and McKee
125 S. Wacker Drive, Suite 600
Chicago, IL 60606
Telephone: (312) 346-5000
Fax: (312) 346-5228

RE: Omnitrax Wedron, Wedron, IL

STAT Project No 12080876

Dear Chris Albrecht:

STAT Analysis received 60 samples for the referenced project on 8/27/2012 8:10:00 AM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Kurt Clarkson

Senior Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Camp, Dresser and McKee
Project: Omnitrax Wedron, Wedron, IL
Lab Order: 12080876

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12080876-001A	UST-1-1		8/23/2012 8:30:00 AM	8/27/2012
12080876-001B	UST-1-1		8/23/2012 8:30:00 AM	8/27/2012
12080876-002A	UST-1-2		8/23/2012 8:40:00 AM	8/27/2012
12080876-002B	UST-1-2		8/23/2012 8:40:00 AM	8/27/2012
12080876-003A	UST-2-1		8/23/2012 9:15:00 AM	8/27/2012
12080876-003B	UST-2-1		8/23/2012 9:15:00 AM	8/27/2012
12080876-004A	UST-2-2		8/23/2012 9:25:00 AM	8/27/2012
12080876-004B	UST-2-2		8/23/2012 9:25:00 AM	8/27/2012
12080876-005A	UST-3-1		8/23/2012 9:35:00 AM	8/27/2012
12080876-005B	UST-3-1		8/23/2012 9:35:00 AM	8/27/2012
12080876-006A	UST-3-2		8/23/2012 9:40:00 AM	8/27/2012
12080876-006B	UST-3-2		8/23/2012 9:40:00 AM	8/27/2012
12080876-007A	UST-4-1		8/23/2012 10:05:00 AM	8/27/2012
12080876-007B	UST-4-1		8/23/2012 10:05:00 AM	8/27/2012
12080876-008A	UST-4-2		8/23/2012 10:10:00 AM	8/27/2012
12080876-008B	UST-4-2		8/23/2012 10:10:00 AM	8/27/2012
12080876-009A	UST-5-1		8/23/2012 10:40:00 AM	8/27/2012
12080876-009B	UST-5-1		8/23/2012 10:40:00 AM	8/27/2012
12080876-010A	UST-5-2		8/23/2012 10:45:00 AM	8/27/2012
12080876-010B	UST-5-2		8/23/2012 10:45:00 AM	8/27/2012
12080876-011A	UST-6-1		8/23/2012 11:00:00 AM	8/27/2012
12080876-011B	UST-6-1		8/23/2012 11:00:00 AM	8/27/2012
12080876-012A	UST-6-2		8/23/2012 11:05:00 AM	8/27/2012
12080876-012B	UST-6-2		8/23/2012 11:05:00 AM	8/27/2012
12080876-013A	WS-1-1		8/23/2012 12:35:00 PM	8/27/2012
12080876-013B	WS-1-1		8/23/2012 12:35:00 PM	8/27/2012
12080876-014A	WS-1-2		8/23/2012 1:00:00 PM	8/27/2012
12080876-014B	WS-1-2		8/23/2012 1:00:00 PM	8/27/2012
12080876-015A	WS-2-1		8/23/2012 2:40:00 PM	8/27/2012
12080876-015B	WS-2-1		8/23/2012 2:40:00 PM	8/27/2012
12080876-016A	WS-2-2		8/23/2012 2:45:00 PM	8/27/2012
12080876-016B	WS-2-2		8/23/2012 2:45:00 PM	8/27/2012
12080876-017A	WS-2-3		8/23/2012 2:50:00 PM	8/27/2012
12080876-017B	WS-2-3		8/23/2012 2:50:00 PM	8/27/2012
12080876-018A	WS-2-4		8/23/2012 2:55:00 PM	8/27/2012
12080876-018B	WS-2-4		8/23/2012 2:55:00 PM	8/27/2012
12080876-019A	WS-2-5		8/23/2012 3:00:00 PM	8/27/2012
12080876-019B	WS-2-5		8/23/2012 3:00:00 PM	8/27/2012

Client: Camp, Dresser and McKee
Project: Omnitrax Wedron, Wedron, IL
Lab Order: 12080876

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12080876-020A	WS-2-6		8/23/2012 3:05:00 PM	8/27/2012
12080876-020B	WS-2-6		8/23/2012 3:05:00 PM	8/27/2012
12080876-021A	WS-3-1		8/23/2012 3:35:00 PM	8/27/2012
12080876-021B	WS-3-1		8/23/2012 3:35:00 PM	8/27/2012
12080876-022A	WS-3-2		8/23/2012 3:40:00 PM	8/27/2012
12080876-022B	WS-3-2		8/23/2012 3:40:00 PM	8/27/2012
12080876-023A	WS-3-3		8/23/2012 3:45:00 PM	8/27/2012
12080876-023B	WS-3-3		8/23/2012 3:45:00 PM	8/27/2012
12080876-024A	WS-3-4		8/23/2012 3:50:00 PM	8/27/2012
12080876-024B	WS-3-4		8/23/2012 3:50:00 PM	8/27/2012
12080876-025A	WS-3-5		8/23/2012 3:55:00 PM	8/27/2012
12080876-025B	WS-3-5		8/23/2012 3:55:00 PM	8/27/2012
12080876-026A	WS-4-1		8/23/2012 4:00:00 PM	8/27/2012
12080876-026B	WS-4-1		8/23/2012 4:00:00 PM	8/27/2012
12080876-027A	WS-4-2		8/23/2012 4:05:00 PM	8/27/2012
12080876-027B	WS-4-2		8/23/2012 4:05:00 PM	8/27/2012
12080876-028A	WS-4-3		8/23/2012 4:10:00 PM	8/27/2012
12080876-028B	WS-4-3		8/23/2012 4:10:00 PM	8/27/2012
12080876-029A	WS-4-4		8/23/2012 4:15:00 PM	8/27/2012
12080876-029B	WS-4-4		8/23/2012 4:15:00 PM	8/27/2012
12080876-030A	SRA-1-1		8/24/2012 8:40:00 AM	8/27/2012
12080876-030B	SRA-1-1		8/24/2012 8:40:00 AM	8/27/2012
12080876-031A	SRA-1-2		8/24/2012 8:45:00 AM	8/27/2012
12080876-031B	SRA-1-2		8/24/2012 8:45:00 AM	8/27/2012
12080876-032A	SRA-2-1		8/24/2012 8:55:00 AM	8/27/2012
12080876-032B	SRA-2-1		8/24/2012 8:55:00 AM	8/27/2012
12080876-033A	SRA-2-2		8/24/2012 9:00:00 AM	8/27/2012
12080876-033B	SRA-2-2		8/24/2012 9:00:00 AM	8/27/2012
12080876-034A	SRA-3-1		8/24/2012 9:10:00 AM	8/27/2012
12080876-034B	SRA-3-1		8/24/2012 9:10:00 AM	8/27/2012
12080876-035A	SRA-3-2		8/24/2012 9:15:00 AM	8/27/2012
12080876-035B	SRA-3-2		8/24/2012 9:15:00 AM	8/27/2012
12080876-036A	SRA-4-1		8/24/2012 9:50:00 AM	8/27/2012
12080876-036B	SRA-4-1		8/24/2012 9:50:00 AM	8/27/2012
12080876-037A	SRA-4-2		8/24/2012 9:55:00 AM	8/27/2012
12080876-037B	SRA-4-2		8/24/2012 9:55:00 AM	8/27/2012
12080876-038A	SRA-5-1		8/24/2012 11:00:00 AM	8/27/2012
12080876-038B	SRA-5-1		8/24/2012 11:00:00 AM	8/27/2012
12080876-039A	SRA-5-2		8/24/2012 11:05:00 AM	8/27/2012
12080876-039B	SRA-5-2		8/24/2012 11:05:00 AM	8/27/2012

Client: Camp, Dresser and McKee
Project: Omnitrax Wedron, Wedron, IL
Lab Order: 12080876

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12080876-040A PZ-1			8/24/2012 11:45:00 AM	8/27/2012
12080876-040B PZ-1			8/24/2012 11:45:00 AM	8/27/2012
12080876-041A WS-5-1			8/24/2012 11:45:00 AM	8/27/2012
12080876-041B WS-5-1			8/24/2012 11:45:00 AM	8/27/2012
12080876-042A WS-5-2			8/24/2012 11:50:00 AM	8/27/2012
12080876-042B WS-5-2			8/24/2012 11:50:00 AM	8/27/2012
12080876-043A WS-5-3			8/24/2012 11:55:00 AM	8/27/2012
12080876-043B WS-5-3			8/24/2012 11:55:00 AM	8/27/2012
12080876-044A WS-5-4			8/24/2012 12:00:00 PM	8/27/2012
12080876-044B WS-5-4			8/24/2012 12:00:00 PM	8/27/2012
12080876-045A WS-6-1			8/24/2012 12:35:00 PM	8/27/2012
12080876-045B WS-6-1			8/24/2012 12:35:00 PM	8/27/2012
12080876-046A WS-6-2			8/24/2012 12:40:00 PM	8/27/2012
12080876-046B WS-6-2			8/24/2012 12:40:00 PM	8/27/2012
12080876-047A WS-6-3			8/24/2012 12:50:00 PM	8/27/2012
12080876-047B WS-6-3			8/24/2012 12:50:00 PM	8/27/2012
12080876-048A WS-7-1			8/24/2012 1:00:00 PM	8/27/2012
12080876-048B WS-7-1			8/24/2012 1:00:00 PM	8/27/2012
12080876-049A WS-7-2			8/24/2012 1:05:00 PM	8/27/2012
12080876-049B WS-7-2			8/24/2012 1:05:00 PM	8/27/2012
12080876-050A WS-7-3			8/24/2012 1:10:00 PM	8/27/2012
12080876-050B WS-7-3			8/24/2012 1:10:00 PM	8/27/2012
12080876-051A WS-7-4			8/24/2012 1:15:00 PM	8/27/2012
12080876-051B WS-7-4			8/24/2012 1:15:00 PM	8/27/2012
12080876-052A WS-8-1			8/24/2012 1:45:00 PM	8/27/2012
12080876-052B WS-8-1			8/24/2012 1:45:00 PM	8/27/2012
12080876-053A WS-8-2			8/24/2012 1:50:00 PM	8/27/2012
12080876-053B WS-8-2			8/24/2012 1:50:00 PM	8/27/2012
12080876-054A WS-8-3			8/24/2012 1:55:00 PM	8/27/2012
12080876-054B WS-8-3			8/24/2012 1:55:00 PM	8/27/2012
12080876-055A WS-9-1			8/24/2012 3:00:00 PM	8/27/2012
12080876-055B WS-9-1			8/24/2012 3:00:00 PM	8/27/2012
12080876-056A WS-9-2			8/24/2012 3:05:00 PM	8/27/2012
12080876-056B WS-9-2			8/24/2012 3:05:00 PM	8/27/2012
12080876-057A WS-10-1			8/24/2012 3:55:00 PM	8/27/2012
12080876-057B WS-10-1			8/24/2012 3:55:00 PM	8/27/2012
12080876-058A WS-11-1			8/24/2012 4:20:00 PM	8/27/2012
12080876-058B WS-11-1			8/24/2012 4:20:00 PM	8/27/2012
12080876-059A WS-11-2			8/24/2012 4:25:00 PM	8/27/2012
12080876-059B WS-11-2			8/24/2012 4:25:00 PM	8/27/2012

Client: Camp, Dresser and McKee
Project: Omnitrax Wedron, Wedron, IL
Lab Order: 12080876

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12080876-060A	Trip Blank		8/24/2012	8/27/2012

CLIENT: Camp, Dresser and McKee
Project: Omnitrax Wedron, Wedron, IL
Lab Order: 12080876

CASE NARRATIVE

For BTEX sample SRA-5-1 (12080876-038), both of the submitted sodium bisulfate preserved 40mL VOA vials leaked during analysis. The sample was prepared from the 4 ounce glass jar.

Due to matrix interference, VOC results for the following samples are reported from the medium level dilution (Methanol Extract):

WS-5-3 - 12080876-043

WS-7-4 - 12080876-051

WS-8-2 - 12080876-053

Due to matrix interference, sample WS-2-3 (12080876-017A) with a dilution factor of 50 had recovery of the following VOC surrogates outside of control limits:

Toluene-d8: 133% recovery (QC Limits 85-110%)

Due to matrix interference, sample WS-8-2 (12080876-053A) had recovery of the following VOC surrogates outside of control limits:

Toluene-d8: 111% recovery (QC Limits 85-110%)

Due to matrix interference, sample WS-9-2 (12080876-056A) had recovery of the following VOC surrogates outside of control limits:

Toluene-d8: 149% recovery (QC Limits 85-110%)

Due to matrix interference, sample WS-11-2 (12080876-059A) with a dilution factor of 50 had recovery of the following VOC surrogates outside of control limits:

Toluene-d8: 118% recovery (QC Limits 85-110%)

4-Bromofluorobenzene: 110.4% recovery (QC Limits 63-110%)

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-001

Client Sample ID: UST-1-1
Collection Date: 8/23/2012 8:30:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	16	0.61	0.11		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0022	0.0055	0.00011	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0024	0.0055	0.00011	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.00051	0.0055	0.00011	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0021	0.016	0.00055	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/27/2012		Analyst: RW	
Percent Moisture	13.7	0.2	0.11	*	wt%	1	8/28/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-002

Client Sample ID: UST-1-2
Collection Date: 8/23/2012 8:40:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	11	0.63	0.11		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0013	0.0042	0.000084	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0030	0.0042	0.000084	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0012	0.0042	0.000084	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0022	0.013	0.00042	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/27/2012		Analyst: RW	
Percent Moisture	14.5	0.2	0.11	*	wt%	1	8/28/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-003

Client Sample ID: UST-2-1
Collection Date: 8/23/2012 9:15:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	6.6	0.55	0.098		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0026	0.0045	0.000091	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0056	0.0045	0.000091		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0019	0.0045	0.000091	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0037	0.014	0.00045	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/27/2012		Analyst: RW	
Percent Moisture	4.3	0.2	0.11	*	wt%	1	8/28/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-004

Client Sample ID: UST-2-2
Collection Date: 8/23/2012 9:25:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	2.3	0.52	0.094		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0028	0.0048	0.000095	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0063	0.0048	0.000095		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0021	0.0048	0.000095	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0045	0.014	0.00048	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/27/2012		Analyst: RW	
Percent Moisture	4.1	0.2	0.11	*	wt%	1	8/28/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-005

Client Sample ID: UST-3-1
Collection Date: 8/23/2012 9:35:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	6	0.56	0.1		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0029	0.0048	0.000096	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0068	0.0048	0.000096		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0024	0.0048	0.000096	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0048	0.014	0.00048	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	6.7	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-006

Client Sample ID: UST-3-2
Collection Date: 8/23/2012 9:40:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	13	0.67	0.12		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0015	0.0044	0.000087	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0035	0.0044	0.000087	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0012	0.0044	0.000087	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0025	0.013	0.00044	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	17.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-007

Client Sample ID: UST-4-1
Collection Date: 8/23/2012 10:05:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	30	0.55	0.1		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0018	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0021	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.00040	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0021	0.014	0.00045	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	11.1	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-008

Client Sample ID: UST-4-2
Collection Date: 8/23/2012 10:10:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	10	0.52	0.094		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0033	0.0047	0.000093	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0067	0.0047	0.000093		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0020	0.0047	0.000093	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0050	0.014	0.00047	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	5.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-009

Client Sample ID: UST-5-1
Collection Date: 8/23/2012 10:40:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	8	0.53	0.095		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0020	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0033	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0012	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0019	0.013	0.00045	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	3.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-010

Client Sample ID: UST-5-2
Collection Date: 8/23/2012 10:45:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	13	0.6	0.11		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0020	0.0042	0.000084	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0047	0.0042	0.000084		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0018	0.0042	0.000084	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0035	0.013	0.00042	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	15.5	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-011

Client Sample ID: UST-6-1
Collection Date: 8/23/2012 11:00:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	12	0.58	0.1		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	ND	0.006	0.00012		mg/Kg-dry	1	9/2/2012
Toluene	0.00077	0.006	0.00012	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	ND	0.006	0.00012		mg/Kg-dry	1	9/2/2012
Xylenes, Total	ND	0.018	0.0006		mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	11.1	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-012

Client Sample ID: UST-6-2
Collection Date: 8/23/2012 11:05:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS							
	SW6020 (SW3050B)			Prep Date: 8/29/2012		Analyst: JG	
Lead	6	0.54	0.097		mg/Kg-dry	10	8/29/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0024	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0049	0.0045	0.00009		mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.0017	0.0045	0.00009	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0043	0.014	0.00045	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	4.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-013

Client Sample ID: WS-1-1
Collection Date: 8/23/2012 12:35:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
		SW8270C (SW3550B)		Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Acenaphthylene	0.024	0.035	0.013	J	mg/Kg-dry	1	8/30/2012
Anthracene	0.022	0.035	0.012	J	mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	0.023	0.035	0.016	J	mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	0.020	0.035	0.014	J	mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	0.028	0.035	0.024	J	mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	0.021	0.035	0.014	J	mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.035	0.059		mg/Kg-dry	1	8/30/2012
Chrysene	0.025	0.035	0.012	J	mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Fluoranthene	0.030	0.035	0.024	J	mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.035	0.022		mg/Kg-dry	1	8/30/2012
Phenanthrene	0.037	0.035	0.0095		mg/Kg-dry	1	8/30/2012
Pyrene	0.029	0.035	0.021	J	mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
		SW5035/8260B		Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0012	0.0046	0.000091	J	mg/Kg-dry	1	9/2/2012
Toluene	0.0017	0.0046	0.000091	J	mg/Kg-dry	1	9/2/2012
Ethylbenzene	0.00047	0.0046	0.000091	J	mg/Kg-dry	1	9/2/2012
Xylenes, Total	0.0013	0.014	0.00046	J	mg/Kg-dry	1	9/2/2012
Percent Moisture							
		D2974		Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	5.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-014

Client Sample ID: WS-1-2
Collection Date: 8/23/2012 1:00:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.04	0.015		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.04	0.068		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.04	0.026		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.04	0.011		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.04	0.024		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	ND	0.0059	0.00012		mg/Kg-dry	1	9/2/2012
Toluene	ND	0.0059	0.00012		mg/Kg-dry	1	9/2/2012
Ethylbenzene	ND	0.0059	0.00012		mg/Kg-dry	1	9/2/2012
Xylenes, Total	ND	0.018	0.00059		mg/Kg-dry	1	9/2/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	18.1	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-017

Client Sample ID: WS-2-3
Collection Date: 8/23/2012 2:50:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons							
	SW8015M (SW3580A)			Prep Date: 9/4/2012		Analyst: GVC	
TPH (GRO)	450	23	2.6		mg/Kg-dry	1	9/4/2012
TPH (DRO)	270	23	3.6		mg/Kg-dry	1	9/4/2012
TPH (ERO)	ND	23	7.9	*	mg/Kg-dry	1	9/4/2012
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.039	0.018		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.039	0.014		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.039	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.039	0.018		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.039	0.015		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.039	0.027		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.039	0.015		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.039	0.066		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.039	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.039	0.018		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.039	0.027		mg/Kg-dry	1	8/30/2012
Fluorene	0.022	0.039	0.018	J	mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.039	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	1.4	0.039	0.025		mg/Kg-dry	1	8/30/2012
Phenanthrene	0.049	0.039	0.011		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.039	0.023		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	ND	0.1	0.005		mg/Kg-dry	50	9/5/2012
Toluene	0.25	0.25	0.005		mg/Kg-dry	50	9/5/2012
Ethylbenzene	75	2.5	0.05		mg/Kg-dry	500	9/4/2012
Xylenes, Total	230	7.5	0.25		mg/Kg-dry	500	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	15.0	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-022

Client Sample ID: WS-3-2
Collection Date: 8/23/2012 3:40:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons							
	SW8015M (SW3580A)			Prep Date: 9/4/2012		Analyst: GVC	
TPH (GRO)	ND	21	2.3		mg/Kg-dry	1	9/4/2012
TPH (DRO)	4.3	21	3.2	J	mg/Kg-dry	1	9/4/2012
TPH (ERO)	ND	21	7.1	*	mg/Kg-dry	1	9/4/2012
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.035	0.013		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.035	0.014		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.035	0.014		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.035	0.059		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.035	0.022		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.035	0.0095		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.035	0.021		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0023	0.0043	0.000085	J	mg/Kg-dry	1	9/4/2012
Toluene	0.0051	0.0043	0.000085		mg/Kg-dry	1	9/4/2012
Ethylbenzene	0.0020	0.0043	0.000085	J	mg/Kg-dry	1	9/4/2012
Xylenes, Total	0.0045	0.013	0.00043	J	mg/Kg-dry	1	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	5.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-028

Client Sample ID: WS-4-3
Collection Date: 8/23/2012 4:10:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 9/4/2012		Analyst: DM	
Acenaphthene	ND	0.043	0.02		mg/Kg-dry	1	9/4/2012
Acenaphthylene	ND	0.043	0.016		mg/Kg-dry	1	9/4/2012
Anthracene	ND	0.043	0.014		mg/Kg-dry	1	9/4/2012
Benz(a)anthracene	ND	0.043	0.02		mg/Kg-dry	1	9/4/2012
Benzo(a)pyrene	ND	0.043	0.017		mg/Kg-dry	1	9/4/2012
Benzo(b)fluoranthene	ND	0.043	0.03		mg/Kg-dry	1	9/4/2012
Benzo(g,h,i)perylene	ND	0.043	0.017		mg/Kg-dry	1	9/4/2012
Benzo(k)fluoranthene	ND	0.043	0.073		mg/Kg-dry	1	9/4/2012
Chrysene	ND	0.043	0.014		mg/Kg-dry	1	9/4/2012
Dibenz(a,h)anthracene	ND	0.043	0.02		mg/Kg-dry	1	9/4/2012
Fluoranthene	ND	0.043	0.03		mg/Kg-dry	1	9/4/2012
Fluorene	ND	0.043	0.02		mg/Kg-dry	1	9/4/2012
Indeno(1,2,3-cd)pyrene	ND	0.043	0.014		mg/Kg-dry	1	9/4/2012
Naphthalene	0.6	0.043	0.027		mg/Kg-dry	1	9/4/2012
Phenanthrene	0.022	0.043	0.012	J	mg/Kg-dry	1	9/4/2012
Pyrene	ND	0.043	0.026		mg/Kg-dry	1	9/4/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	0.0047	0.0065	0.00013	J	mg/Kg-dry	1	9/3/2012
Toluene	0.015	0.0065	0.00013		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.37	0.0065	0.00013		mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.66	0.019	0.00065		mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	23.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-030

Client Sample ID: SRA-1-1
Collection Date: 8/24/2012 8:40:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.04	0.015		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	0.059	0.04	0.018		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	0.043	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	0.038	0.04	0.028	J	mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	0.035	0.04	0.016	J	mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.04	0.068		mg/Kg-dry	1	8/30/2012
Chrysene	0.099	0.04	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Fluoranthene	0.13	0.04	0.028		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	0.026	0.04	0.013	J	mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.04	0.026		mg/Kg-dry	1	8/30/2012
Phenanthrene	0.47	0.04	0.011		mg/Kg-dry	1	8/30/2012
Pyrene	0.066	0.04	0.024		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	0.00054	0.007	0.00014	J	mg/Kg-dry	1	9/3/2012
Toluene	ND	0.007	0.00014		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.0026	0.007	0.00014	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0086	0.021	0.0007	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	18.2	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-031

Client Sample ID: SRA-1-2
Collection Date: 8/24/2012 8:45:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.038	0.014		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.038	0.065		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.038	0.024		mg/Kg-dry	1	8/30/2012
Phenanthrene	0.037	0.038	0.01	J	mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.038	0.023		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	ND	0.0046	0.000092		mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0046	0.000092		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.00075	0.0046	0.000092	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0021	0.014	0.00046	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	14.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-032

Client Sample ID: SRA-2-1
Collection Date: 8/24/2012 8:55:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.04	0.015		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.04	0.068		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.04	0.025		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.04	0.011		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.04	0.024		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	0.0012	0.0052	0.0001	J	mg/Kg-dry	1	9/3/2012
Toluene	0.0020	0.0052	0.0001	J	mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.0012	0.0052	0.0001	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0031	0.016	0.00052	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	18.2	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-033

Client Sample ID: SRA-2-2
Collection Date: 8/24/2012 9:00:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.038	0.014		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.038	0.065		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.038	0.024		mg/Kg-dry	1	8/30/2012
Phenanthrene	0.023	0.038	0.01	J	mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.038	0.023		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	ND	0.0049	0.000099		mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0049	0.000099		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.0012	0.0049	0.000099	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0016	0.015	0.00049	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	13.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-034

Client Sample ID: SRA-3-1
Collection Date: 8/24/2012 9:10:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.04	0.015		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.04	0.016		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.04	0.068		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.04	0.028		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.04	0.018		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.04	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.04	0.026		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.04	0.011		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.04	0.024		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	ND	0.0048	0.000096		mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0048	0.000096		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.00048	0.0048	0.000096	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0013	0.014	0.00048	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	18.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-035

Client Sample ID: SRA-3-2
Collection Date: 8/24/2012 9:15:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.037	0.017		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.037	0.013		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.037	0.012		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.037	0.015		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.037	0.026		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.037	0.015		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.037	0.063		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.037	0.012		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.037	0.026		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.037	0.017		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.037	0.012		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.037	0.023		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.037	0.01		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.037	0.022		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	0.00019	0.0047	0.000093	J	mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0047	0.000093		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.00034	0.0047	0.000093	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.0012	0.014	0.00047	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	10.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-036

Client Sample ID: SRA-4-1
Collection Date: 8/24/2012 9:50:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.037	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.037	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.037	0.015		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.037	0.026		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.037	0.015		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.037	0.063		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.037	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.037	0.026		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.037	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.037	0.024		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.037	0.01		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.037	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.00021	0.0043	0.000086	J	mg/Kg-dry	1	9/4/2012
Toluene	ND	0.0043	0.000086		mg/Kg-dry	1	9/4/2012
Ethylbenzene	ND	0.0043	0.000086		mg/Kg-dry	1	9/4/2012
Xylenes, Total	ND	0.013	0.00043		mg/Kg-dry	1	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	11.7	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-037

Client Sample ID: SRA-4-2
Collection Date: 8/24/2012 9:55:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.036	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.036	0.061		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.036	0.023		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.036	0.0099		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.036	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	0.00026	0.0044	0.000088	J	mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0044	0.000088		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.00033	0.0044	0.000088	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.00088	0.013	0.00044	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	8.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-038

Client Sample ID: SRA-5-1
Collection Date: 8/24/2012 11:00:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.036	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	0.026	0.036	0.016	J	mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	0.020	0.036	0.014	J	mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.036	0.061		mg/Kg-dry	1	8/31/2012
Chrysene	0.031	0.036	0.012	J	mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	0.042	0.036	0.025		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.036	0.023		mg/Kg-dry	1	8/31/2012
Phenanthrene	0.053	0.036	0.0098		mg/Kg-dry	1	8/31/2012
Pyrene	0.037	0.036	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW8260B			Prep Date: 9/5/2012		Analyst: ERP	
Benzene	ND	0.0052	0.0001		mg/Kg-dry	1	9/5/2012
Toluene	0.00061	0.0052	0.0001	J	mg/Kg-dry	1	9/5/2012
Ethylbenzene	ND	0.0052	0.0001		mg/Kg-dry	1	9/5/2012
Xylenes, Total	ND	0.016	0.00052		mg/Kg-dry	1	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	8.0	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-039

Client Sample ID: SRA-5-2
Collection Date: 8/24/2012 11:05:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.035	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.035	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.035	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.035	0.06		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.035	0.022		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.035	0.0096		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.035	0.021		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ART	
Benzene	ND	0.0045	0.00009		mg/Kg-dry	1	9/3/2012
Toluene	ND	0.0045	0.00009		mg/Kg-dry	1	9/3/2012
Ethylbenzene	0.00023	0.0045	0.00009	J	mg/Kg-dry	1	9/3/2012
Xylenes, Total	0.00079	0.014	0.00045	J	mg/Kg-dry	1	9/3/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	6.2	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee

Lab Order: 12080876

Project: Omnitrax Wedron, Wedron, IL

Lab ID: 12080876-040

Client Sample ID: PZ-1

Collection Date 8/24/2012 11:45:00 AM

Matrix: WATER

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		SW8270C-SIM (SW3510C)		Prep Date: 8/28/2012		Analyst: DM	
Acenaphthene	ND	0.001	0.00005		mg/L	1	8/28/2012
Acenaphthylene	ND	0.001	0.00003		mg/L	1	8/28/2012
Anthracene	ND	0.001	0.00002		mg/L	1	8/28/2012
Benz(a)anthracene	ND	0.0001	0.00002		mg/L	1	8/28/2012
Benzo(a)pyrene	ND	0.0001	0.00002		mg/L	1	8/28/2012
Benzo(b)fluoranthene	ND	0.0001	0.00006		mg/L	1	8/28/2012
Benzo(g,h,i)perylene	ND	0.001	0.00002		mg/L	1	8/28/2012
Benzo(k)fluoranthene	ND	0.0001	0.00008		mg/L	1	8/28/2012
Chrysene	ND	0.0001	0.00002		mg/L	1	8/28/2012
Dibenz(a,h)anthracene	ND	0.0001	0.00002		mg/L	1	8/28/2012
Fluoranthene	ND	0.001	0.00002		mg/L	1	8/28/2012
Fluorene	ND	0.001	0.00003		mg/L	1	8/28/2012
Indeno(1,2,3-cd)pyrene	ND	0.0001	0.00002		mg/L	1	8/28/2012
Naphthalene	ND	0.001	0.00011		mg/L	1	8/28/2012
Phenanthrene	0.000060	0.001	0.00004	J	mg/L	1	8/28/2012
Pyrene	ND	0.001	0.00002		mg/L	1	8/28/2012
BTEX by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP	
Benzene	ND	0.005	0.0002		mg/L	1	8/30/2012
Toluene	ND	0.005	0.0003		mg/L	1	8/30/2012
Ethylbenzene	ND	0.005	0.0002		mg/L	1	8/30/2012
Xylenes, Total	ND	0.015	0.0008		mg/L	1	8/30/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-042

Client Sample ID: WS-5-2
Collection Date 8/24/2012 11:50:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 9/4/2012		Analyst: GVC	
TPH (GRO)	ND	21	2.3		mg/Kg-dry	1	9/4/2012
TPH (DRO)	3.6	21	3.2	J	mg/Kg-dry	1	9/4/2012
TPH (ERO)	ND	21	7.1	*	mg/Kg-dry	1	9/4/2012
Percent Moisture	D2974			Prep Date: 8/30/2012		Analyst: RW	
Percent Moisture	11.5	0.2	0.11	*	wt%	1	8/31/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-043

Client Sample ID: WS-5-3
Collection Date: 8/24/2012 11:55:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.035	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.035	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.035	0.025		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.035	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.035	0.06		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.035	0.025		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.035	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.035	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.035	0.023		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.035	0.0097		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.035	0.021		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	ND	0.099	0.005		mg/Kg-dry	50	9/5/2012
Toluene	0.067	0.25	0.005	J	mg/Kg-dry	50	9/5/2012
Ethylbenzene	ND	0.25	0.005		mg/Kg-dry	50	9/5/2012
Xylenes, Total	0.064	0.74	0.025	J	mg/Kg-dry	50	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	6.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-044

Client Sample ID: WS-5-4
Collection Date: 8/24/2012 12:00:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.038	0.017		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.038	0.014		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.038	0.013		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.038	0.015		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.038	0.026		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.038	0.015		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.038	0.064		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.038	0.013		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.038	0.026		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.038	0.017		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.038	0.013		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.038	0.024		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.038	0.01		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.038	0.023		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0010	0.0046	0.000092	J	mg/Kg-dry	1	9/4/2012
Toluene	0.0013	0.0046	0.000092	J	mg/Kg-dry	1	9/4/2012
Ethylbenzene	0.00048	0.0046	0.000092	J	mg/Kg-dry	1	9/4/2012
Xylenes, Total	0.0012	0.014	0.00046	J	mg/Kg-dry	1	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	13.2	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee

Lab Order: 12080876

Project: Omnitrax Wedron, Wedron, IL

Lab ID: 12080876-046

Client Sample ID: WS-6-2

Collection Date 8/24/2012 12:40:00 PM

Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
		SW8270C (SW3550B)		Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.041	0.019		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.041	0.015		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.041	0.019		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.041	0.016		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.041	0.029		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.041	0.016		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.041	0.07		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.041	0.019		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.041	0.029		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.041	0.019		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Naphthalene	0.028	0.041	0.026	J	mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.041	0.011		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.041	0.025		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
		SW5035/8260B		Prep Date: 8/28/2012		Analyst: PS	
Benzene	ND	0.12	0.0058		mg/Kg-dry	50	9/4/2012
Toluene	ND	0.29	0.0058		mg/Kg-dry	50	9/4/2012
Ethylbenzene	0.014	0.29	0.0058	J	mg/Kg-dry	50	9/4/2012
Xylenes, Total	ND	0.87	0.029		mg/Kg-dry	50	9/4/2012
Percent Moisture							
		D2974		Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	20.6	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-050

Client Sample ID: WS-7-3
Collection Date: 8/24/2012 1:10:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.038	0.014		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.038	0.015		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.038	0.065		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.038	0.027		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.038	0.017		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.038	0.013		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.038	0.024		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.038	0.01		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.038	0.023		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	0.0038	0.0046	0.000092	J	mg/Kg-dry	1	9/4/2012
Toluene	0.0053	0.0046	0.000092		mg/Kg-dry	1	9/4/2012
Ethylbenzene	0.0020	0.0046	0.000092	J	mg/Kg-dry	1	9/4/2012
Xylenes, Total	0.0034	0.014	0.00046	J	mg/Kg-dry	1	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	14.4	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-051

Client Sample ID: WS-7-4
Collection Date: 8/24/2012 1:15:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Acenaphthylene	ND	0.035	0.013		mg/Kg-dry	1	8/30/2012
Anthracene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Benz(a)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Benzo(a)pyrene	ND	0.035	0.014		mg/Kg-dry	1	8/30/2012
Benzo(b)fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/30/2012
Benzo(g,h,i)perylene	ND	0.035	0.014		mg/Kg-dry	1	8/30/2012
Benzo(k)fluoranthene	ND	0.035	0.059		mg/Kg-dry	1	8/30/2012
Chrysene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Dibenz(a,h)anthracene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Fluoranthene	ND	0.035	0.024		mg/Kg-dry	1	8/30/2012
Fluorene	ND	0.035	0.016		mg/Kg-dry	1	8/30/2012
Indeno(1,2,3-cd)pyrene	ND	0.035	0.012		mg/Kg-dry	1	8/30/2012
Naphthalene	ND	0.035	0.022		mg/Kg-dry	1	8/30/2012
Phenanthrene	ND	0.035	0.0095		mg/Kg-dry	1	8/30/2012
Pyrene	ND	0.035	0.021		mg/Kg-dry	1	8/30/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: PS	
Benzene	ND	0.094	0.0047		mg/Kg-dry	50	9/4/2012
Toluene	ND	0.24	0.0047		mg/Kg-dry	50	9/4/2012
Ethylbenzene	0.050	0.24	0.0047	J	mg/Kg-dry	50	9/4/2012
Xylenes, Total	0.098	0.71	0.024	J	mg/Kg-dry	50	9/4/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	5.2	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-052

Client Sample ID: WS-8-1
Collection Date: 8/24/2012 1:45:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.036	0.017		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.036	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.036	0.017		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.036	0.062		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.036	0.017		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.036	0.017		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	ND	0.036	0.023		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.036	0.0099		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.036	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	0.00060	0.005	0.000099	J	mg/Kg-dry	1	9/5/2012
Toluene	0.00092	0.005	0.000099	J	mg/Kg-dry	1	9/5/2012
Ethylbenzene	ND	0.005	0.000099		mg/Kg-dry	1	9/5/2012
Xylenes, Total	0.00069	0.015	0.0005	J	mg/Kg-dry	1	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	9.9	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee

Lab Order: 12080876

Project: Omnitrax Wedron, Wedron, IL

Lab ID: 12080876-053

Client Sample ID: WS-8-2

Collection Date 8/24/2012 1:50:00 PM

Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
		SW8270C (SW3550B)		Prep Date: 9/4/2012		Analyst: DM	
Acenaphthene	ND	0.041	0.018		mg/Kg-dry	1	9/4/2012
Acenaphthylene	ND	0.041	0.015		mg/Kg-dry	1	9/4/2012
Anthracene	ND	0.041	0.014		mg/Kg-dry	1	9/4/2012
Benz(a)anthracene	ND	0.041	0.018		mg/Kg-dry	1	9/4/2012
Benzo(a)pyrene	ND	0.041	0.016		mg/Kg-dry	1	9/4/2012
Benzo(b)fluoranthene	ND	0.041	0.028		mg/Kg-dry	1	9/4/2012
Benzo(g,h,i)perylene	ND	0.041	0.016		mg/Kg-dry	1	9/4/2012
Benzo(k)fluoranthene	ND	0.041	0.069		mg/Kg-dry	1	9/4/2012
Chrysene	ND	0.041	0.014		mg/Kg-dry	1	9/4/2012
Dibenz(a,h)anthracene	ND	0.041	0.018		mg/Kg-dry	1	9/4/2012
Fluoranthene	ND	0.041	0.028		mg/Kg-dry	1	9/4/2012
Fluorene	ND	0.041	0.018		mg/Kg-dry	1	9/4/2012
Indeno(1,2,3-cd)pyrene	ND	0.041	0.014		mg/Kg-dry	1	9/4/2012
Naphthalene	0.48	0.041	0.026		mg/Kg-dry	1	9/4/2012
Phenanthrene	ND	0.041	0.011		mg/Kg-dry	1	9/4/2012
Pyrene	ND	0.041	0.025		mg/Kg-dry	1	9/4/2012
BTEX by GC/MS							
		SW5035/8260B		Prep Date: 8/28/2012		Analyst: PS	
Benzene	ND	0.11	0.0053		mg/Kg-dry	50	9/4/2012
Toluene	ND	0.27	0.0053		mg/Kg-dry	50	9/4/2012
Ethylbenzene	0.072	0.27	0.0053	J	mg/Kg-dry	50	9/4/2012
Xylenes, Total	0.033	0.8	0.027	J	mg/Kg-dry	50	9/4/2012
Percent Moisture							
		D2974		Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	18.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-054

Client Sample ID: WS-8-3
Collection Date: 8/24/2012 1:55:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.041	0.018		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.041	0.015		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.041	0.018		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.041	0.016		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.041	0.028		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.041	0.016		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.041	0.069		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.041	0.018		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.041	0.028		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.041	0.018		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.041	0.014		mg/Kg-dry	1	8/31/2012
Naphthalene	0.75	0.041	0.026		mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.041	0.011		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.041	0.025		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	0.058	0.11	0.0056	J	mg/Kg-dry	50	9/5/2012
Toluene	0.34	0.28	0.0056		mg/Kg-dry	50	9/5/2012
Ethylbenzene	0.85	0.28	0.0056		mg/Kg-dry	50	9/5/2012
Xylenes, Total	21	0.84	0.028		mg/Kg-dry	50	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	19.1	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-055

Client Sample ID: WS-9-1
Collection Date: 8/24/2012 3:00:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Acenaphthylene	0.020	0.037	0.014	J	mg/Kg-dry	1	8/31/2012
Anthracene	0.037	0.037	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	0.067	0.037	0.017		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	0.069	0.037	0.015		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	0.076	0.037	0.026		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	0.084	0.037	0.015		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	0.074	0.037	0.063		mg/Kg-dry	1	8/31/2012
Chrysene	0.092	0.037	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Fluoranthene	0.15	0.037	0.026		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	0.051	0.037	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	0.059	0.037	0.024		mg/Kg-dry	1	8/31/2012
Phenanthrene	0.17	0.037	0.01		mg/Kg-dry	1	8/31/2012
Pyrene	0.12	0.037	0.023		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	0.00044	0.0042	0.000084	J	mg/Kg-dry	1	9/5/2012
Toluene	ND	0.0042	0.000084		mg/Kg-dry	1	9/5/2012
Ethylbenzene	ND	0.0042	0.000084		mg/Kg-dry	1	9/5/2012
Xylenes, Total	ND	0.013	0.00042		mg/Kg-dry	1	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	11.8	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-056

Client Sample ID: WS-9-2
Collection Date: 8/24/2012 3:05:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	0.15	0.037	0.017		mg/Kg-dry	1	8/31/2012
Acenaphthylene	0.062	0.037	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	0.083	0.037	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	0.026	0.037	0.017	J	mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	0.019	0.037	0.015	J	mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.037	0.026		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	0.021	0.037	0.015	J	mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.037	0.063		mg/Kg-dry	1	8/31/2012
Chrysene	0.022	0.037	0.012	J	mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.037	0.017		mg/Kg-dry	1	8/31/2012
Fluoranthene	0.069	0.037	0.026		mg/Kg-dry	1	8/31/2012
Fluorene	0.15	0.037	0.017		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.037	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	1.2	0.037	0.024		mg/Kg-dry	1	8/31/2012
Phenanthrene	0.36	0.037	0.01		mg/Kg-dry	1	8/31/2012
Pyrene	0.1	0.037	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	ND	0.088	0.0044		mg/Kg-dry	50	9/5/2012
Toluene	ND	0.22	0.0044		mg/Kg-dry	50	9/5/2012
Ethylbenzene	2.6	0.22	0.0044		mg/Kg-dry	50	9/5/2012
Xylenes, Total	2.3	0.66	0.022		mg/Kg-dry	50	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	11.4	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrac Wedron, Wedron, IL
Lab ID: 12080876-057

Client Sample ID: WS-10-1
Collection Date: 8/24/2012 3:55:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons							
	SW8015M (SW3580A)			Prep Date: 9/4/2012		Analyst: GVC	
TPH (GRO)	3600	21	2.3		mg/Kg-dry	1	9/4/2012
TPH (DRO)	2500	21	3.2		mg/Kg-dry	1	9/4/2012
TPH (ERO)	22	21	7	*	mg/Kg-dry	1	9/4/2012
Semivolatile Organic Compounds by GC/MS							
	SW8270C (SW3550B)			Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.034	0.012		mg/Kg-dry	1	8/31/2012
Anthracene	0.073	0.034	0.011		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.034	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.034	0.024		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.034	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.034	0.058		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.034	0.011		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	0.030	0.034	0.024	J	mg/Kg-dry	1	8/31/2012
Fluorene	0.42	0.034	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.034	0.011		mg/Kg-dry	1	8/31/2012
Naphthalene	11	0.17	0.11		mg/Kg-dry	5	8/31/2012
Phenanthrene	0.64	0.034	0.0094		mg/Kg-dry	1	8/31/2012
Pyrene	0.051	0.034	0.021		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
	SW5035/8260B			Prep Date: 8/28/2012		Analyst: ERP	
Benzene	ND	0.098	0.0049		mg/Kg-dry	50	9/5/2012
Toluene	ND	0.25	0.0049		mg/Kg-dry	50	9/5/2012
Ethylbenzene	6.2	0.25	0.0049		mg/Kg-dry	50	9/5/2012
Xylenes, Total	15	0.74	0.025		mg/Kg-dry	50	9/5/2012
Percent Moisture							
	D2974			Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	4.6	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-058

Client Sample ID: WS-11-1
Collection Date: 8/24/2012 4:20:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
		SW8270C (SW3550B)		Prep Date: 8/30/2012		Analyst: DM	
Acenaphthene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.034	0.012		mg/Kg-dry	1	8/31/2012
Anthracene	ND	0.034	0.011		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.034	0.013		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.034	0.024		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.034	0.013		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.034	0.058		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.034	0.011		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	ND	0.034	0.024		mg/Kg-dry	1	8/31/2012
Fluorene	ND	0.034	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.034	0.011		mg/Kg-dry	1	8/31/2012
Naphthalene	0.032	0.034	0.022	J	mg/Kg-dry	1	8/31/2012
Phenanthrene	ND	0.034	0.0093		mg/Kg-dry	1	8/31/2012
Pyrene	ND	0.034	0.021		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
		SW5035/8260B		Prep Date: 8/28/2012		Analyst: ERP	
Benzene	0.00074	0.0048	0.000096	J	mg/Kg-dry	1	9/5/2012
Toluene	0.0024	0.0048	0.000096	J	mg/Kg-dry	1	9/5/2012
Ethylbenzene	0.026	0.0048	0.000096		mg/Kg-dry	1	9/5/2012
Xylenes, Total	0.059	0.014	0.00048		mg/Kg-dry	1	9/5/2012
Percent Moisture							
		D2974		Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	3.6	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-059

Client Sample ID: WS-11-2
Collection Date: 8/24/2012 4:25:00 PM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS							
		SW8270C (SW3550B)		Prep Date: 8/31/2012		Analyst: DM	
Acenaphthene	0.044	0.036	0.016		mg/Kg-dry	1	8/31/2012
Acenaphthylene	ND	0.036	0.013		mg/Kg-dry	1	8/31/2012
Anthracene	0.037	0.036	0.012		mg/Kg-dry	1	8/31/2012
Benz(a)anthracene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Benzo(a)pyrene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(b)fluoranthene	ND	0.036	0.025		mg/Kg-dry	1	8/31/2012
Benzo(g,h,i)perylene	ND	0.036	0.014		mg/Kg-dry	1	8/31/2012
Benzo(k)fluoranthene	ND	0.036	0.061		mg/Kg-dry	1	8/31/2012
Chrysene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Dibenz(a,h)anthracene	ND	0.036	0.016		mg/Kg-dry	1	8/31/2012
Fluoranthene	0.030	0.036	0.025	J	mg/Kg-dry	1	8/31/2012
Fluorene	0.084	0.036	0.016		mg/Kg-dry	1	8/31/2012
Indeno(1,2,3-cd)pyrene	ND	0.036	0.012		mg/Kg-dry	1	8/31/2012
Naphthalene	1.7	0.036	0.023		mg/Kg-dry	1	8/31/2012
Phenanthrene	0.17	0.036	0.0098		mg/Kg-dry	1	8/31/2012
Pyrene	0.046	0.036	0.022		mg/Kg-dry	1	8/31/2012
BTEX by GC/MS							
		SW5035/8260B		Prep Date: 8/28/2012		Analyst: ERP	
Benzene	0.23	0.23	0.0046		mg/Kg-dry	50	9/5/2012
Toluene	1.6	0.23	0.0046		mg/Kg-dry	50	9/5/2012
Ethylbenzene	98	2.3	0.046		mg/Kg-dry	500	9/5/2012
Xylenes, Total	280	6.9	0.23		mg/Kg-dry	500	9/5/2012
Percent Moisture							
		D2974		Prep Date: 8/28/2012		Analyst: RW	
Percent Moisture	8.3	0.2	0.11	*	wt%	1	8/29/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

CLIENT: Camp, Dresser and McKee
Lab Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Lab ID: 12080876-060

Client Sample ID: Trip Blank
Collection Date: 8/24/2012
Matrix: WATER

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
BTEX by GC/MS							
	SW8260B (SW5030B)			Prep Date:		Analyst: ERP	
Benzene	0.00028	0.005	0.0002	J	mg/L	1	8/30/2012
Toluene	ND	0.005	0.0003		mg/L	1	8/30/2012
Ethylbenzene	ND	0.005	0.0002		mg/L	1	8/30/2012
Xylenes, Total	ND	0.015	0.0008		mg/L	1	8/30/2012

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below reporting limit

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL/MDL - Reporting Limit / Method Detection Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

N^o: 844881

Page: (of) Y

CHAIN OF CUSTODY RECORD

Company: <u>COM Smith</u>		Client Tracking No.:	
Project Name: <u>OMNITOX Wedon</u>		Quote No.:	
Project Location: <u>Wedon IL</u>			
Sampler(s): <u>Dum</u>			
Report To: <u>Unry Albrecht</u>		Phone: <u>312-376-5260</u>	
QC Level: 1 2 3 4		Fax: <u>312-376-5228</u>	
		e-mail: <u>Albrecht@comsmith.com</u>	

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
UST-1-1	8/27/12	8:30	S		X		
UST-1-2		8:40					
UST-2-1		9:15					
UST-2-2		9:25					
UST-3-1		9:35					
UST-3-2		9:40					
UST-4-1		10:05					
UST-4-2		10:10					
UST-5-1		10:40					
UST-5-2		10:45					
UST-6-1		11:20					
UST-6-2		11:05					
WS-1-1		12:35					
WS-1-2		13:00					
WS-2-1		14:40					
WS-2-2		14:45					
WS-2-3		14:50					
WS-2-4		15:55					
WS-2-5		15:00					
WS-2-6		15:05					

P.O. No.:		Quote No.:	
Turn Around: <u>Standard</u>		Results Needed:	
Remarks:		Lab No.:	
Analyze PMA		001	
Cashed J.A. after		002	
		003	
		004	
		005	
		006	
		007	
		008	
		009	
		010	
		011	
		012	
		013	
		014	
		015	
		016	
		017	
		018	
		019	
		020	

Laboratory Work Order No.: 12080876

Received on fee: Yes ☒ No ☐

Temperature: 5.2 °C

Comments: Report Random Samples Done by STAT

Preservation Code: A = None B = HNO₃ C = NaOH
D = H₂SO₄ E = HCl F = 503S/EnCore G = Other

Requisitioned by: (Signature) [Signature] Date/Time: 8/27/12 8:40

Received by: (Signature) [Signature] Date/Time: 8/27/12 8:40

Relinquished by: (Signature)

Received by: (Signature)

Relinquished by: (Signature)

Received by: (Signature)

Company: CM Smith		Project Tracking No.:	
Project Number:			
Project Name: Gunniteh Wedon			
Project Location: Wedon PL			
Sampler(s): DEM			
Report To: Chris Albrecht	Phone: 312-346-5060		
	Fax: 312-346-5228		
	e-mail: Albrecht@cmsm17.com		
QC Level: 1 2 3 4			

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1		16:00					
WS-4-2		16:05					
WS-4-3		16:10					
WS-4-4		16:15					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1		16:00					
WS-4-2		16:05					
WS-4-3		16:10					
WS-4-4		16:15					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1		16:00					
WS-4-2		16:05					
WS-4-3		16:10					
WS-4-4		16:15					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1		16:00					
WS-4-2		16:05					
WS-4-3		16:10					
WS-4-4		16:15					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1		16:00					
WS-4-2		16:05					
WS-4-3		16:10					
WS-4-4		16:15					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers
WS-3-1	8/23/12	15:35	S		X		4
WS-3-2		15:40					
WS-3-3		15:45					
WS-3-4		15:50					
WS-3-5		15:55					
WS-4-1							

N^o: 844878

Page: 3 of 4

CHAIN OF CUSTODY RECORD

Company: CDM Smith		P.O. No.:		Quote No.:							
Project Number:		Client Tracking No.:									
Project Name: OMNITEX WEDON											
Project Location: WEDON, IL											
Sampler(s): DCM											
Report To: Chris Albrecht		Phone: 1312-346-5200									
		Fax: 1312-346-5228									
		e-mail: Albrecht@CDM Smith.com									
QC Level: 1	2	3	4								
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers	Remarks	Lab No.	Turn Around	Results Needed
SRA-1-1	8/24/12	840	S	X	X	X	4		030		
SRA-1-2		845	S						031		
SRA-2-1		855	S						032		
SRA-2-2		900	S						033		
SRA-3-1		910	S						034		
SRA-3-2		915	S						035		
SRA-4-1		950	S						036		
SRA-4-2		955	S						037		
SRA-5-1		11:00	S						038		
SRA-5-2		11:05	S						039		
WSS-5-1		11:45	W						040		
WSS-5-2		11:45	S						041		
WSS-5-3		11:50	S						042		
WSS-5-4		12:00	S						043		
WSS-6-1		12:35	S						044		
WSS-6-2		1240	S						045		
WSS-6-3		1250	S						046		
									047		
Relinquished by: (Signature) <i>[Signature]</i> Date/Time: 8/24/12 8:00 Received by: (Signature) <i>[Signature]</i> Date/Time: 8/24/12 8:00 Relinquished by: (Signature) <i>[Signature]</i> Date/Time: Received by: (Signature) <i>[Signature]</i> Date/Time: Relinquished by: (Signature) <i>[Signature]</i> Date/Time: Received by: (Signature) <i>[Signature]</i> Date/Time: 								Laboratory Work Order No.: 12080876 Received on Ice: Yes ☒ No ☐ Temperature: 5.2 °C			

N^o: 844879

Page: 4 of 4

CHAIN OF CUSTODY RECORD

Company: COM Smith		P.O. No.:								
Project Number:		Quote No.:								
Project Name: OMNITROX WEDRON										
Project Location: Wedron IL										
Sampler(s): DEM										
Report To: Chris Albrecht		Phone: 312-346-5000								
QC Level: 1 2 3 4		Fax: 312-346-5228								
e-mail: Albrecht@COMSTAT.COM										
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers	Remarks	Lab No.:	Turn Around
WS-7-1	8/24/12	1300	S	X			4	X	048	Standards
WS-7-2		1305					4		049	
WS-7-3		1310					4		050	
WS-7-4		1315					4		051	
WS-8-1		1345					4		052	
WS-8-2		1350					4		053	
WS-8-3		1355					4		054	
WS-MSD		1358					0		055	
WS-9-1		1500					4		056	
WS-9-2		1505					4		057	
WS-10-1		1555					4		058	
WS-11-1		1620					4		059	
WS-11-2		1625					4		060	
TRIP Blank	8/24/12	-	W				3	X		
Relinquished by: (Signature) <i>[Signature]</i> Date/Time: 8/24/12 8:00 Received by: (Signature) <i>[Signature]</i> Date/Time: 8/24/12 8:00 Relinquished by: (Signature) _____ Date/Time: _____ Received by: (Signature) _____ Date/Time: _____ Relinquished by: (Signature) _____ Date/Time: _____ Received by: (Signature) _____ Date/Time: _____ Comments:										
Laboratory Work Order No.: 12080876										Received on Ice: Yes ☒ No ☐ Temperature: 5.2 °C
Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other										

Sample Receipt Checklist

Client Name CDM

Date and Time Received: 8/27/2012 8:10:00 AM

Work Order Number 12080876

Received by: DJ

Checklist completed by:

Signature

Date

8/27/12

Reviewed by:

Initials

Date

CJ 8/28/12

Matrix:

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 5.2 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person
contacted:

Date contacted:

Contacted by:

Response:

Chris Forst

From: Albrecht, Chris [AlbrechtCA@cdmsmith.com]

Sent: Wednesday, August 29, 2012 3:45 PM

To: Chris Forst

Subject: RE: Omnitrax Wedron, Wedron, IL

Chris – please run TPH on samples WS-2-3, WS-3-2, WS-5-2, and WS-10-1. Would these results be available at the same time as the original submittal?

Also, I will have to write a separate report eventually for the 10 samples labeled SRA. Can these results be included in a separate report?

Christopher A. Albrecht | Sr. Project Manager | CDM Smith | 125 S. Wacker Drive - Suite 600 | Chicago, IL 60606 | T: 312.780.7743 | www.cdmsmith.com

From: Chris Forst [mailto:CForst@STATAnalysis.com]

Sent: Wednesday, August 29, 2012 2:58 PM

To: Albrecht, Chris; Albrecht, Chris

Subject: Omnitrax Wedron, Wedron, IL

Mr. Chris Albrecht,

WS-8-3, WS-9-1, WS-9-2, WS-11-1 and WS-11-2 are in 2oz Jars. The MS/MSD Sample WS-8-2 has one 4oz Jar and two 2oz Jars.

Chris Forst
Project Manager
STAT Analysis Corp.
2242 W. Harrison, Suite 200
Chicago, IL 60612
(312) 733-0551

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CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW8260B **Matrix:** W

**QC SUMMARY REPORT
SURROGATE RECOVERIES**

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK083012A-7	102	99.2	108	106				
VLCS083012A-7	104	101	104	103				
VLCSD083012A-7	104	101	105	102				
12080876-060A	98.5	101	105	102				
12080876-040A	97.7	99.2	102	105				
FBLK082912-7	100	97.8	105	96.4				
ZBLK082912-7	95.6	100	105	99.2				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	86-115
BZMED8	= Toluene-d8	88-110
DBFM	= Dibromofluoromethane	86-118
DCA12D4	= 1,2-Dichloroethane-d4	80-120

*** Surrogate recovery outside acceptance limits**

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82956

Sample ID: FBLK082912-7	SampType: MBLK	TestCode: VOC_TCLP+	Units: mg/L	Prep Date:	Run ID: VOA-7_120830A						
Client ID: ZZZZ	Batch ID: R82956	TestNo: SW1311/8260	Analysis Date: 8/31/2012	SeqNo: 2231821							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Ethylbenzene
Toluene
Xylenes, Total

ND
ND
ND
ND

0.050
0.050
0.050
0.15

Sample ID: ZBLK082912-7	SampType: MBLK	TestCode: VOC_TCLP+	Units: mg/L	Prep Date:	Run ID: VOA-7_120830A						
Client ID: ZZZZ	Batch ID: R82956	TestNo: SW1311/8260	Analysis Date: 8/31/2012	SeqNo: 2231830							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Ethylbenzene
Toluene
Xylenes, Total

ND
ND
ND
ND

0.050
0.050
0.050
0.15

Sample ID: VBLK083012A-7	SampType: MBLK	TestCode: VOC_W+	Units: mg/L	Prep Date:	Run ID: VOA-7_120830A						
Client ID: ZZZZ	Batch ID: R82956	TestNo: SW8260B		Analysis Date: 8/30/2012	SeqNo: 2231797						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Ethylbenzene
Toluene
Xylenes, Total

ND
ND
ND
ND

0.0050
0.0050
0.0050
0.015

Sample ID: VLCS083012A-7	SampType: LCS	TestCode: VOC_W+	Units: mg/L	Prep Date:	Run ID: VOA-7_120830A						
Client ID: ZZZZ	Batch ID: R82956	TestNo: SW8260B		Analysis Date: 8/30/2012	SeqNo: 2231802						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Ethylbenzene
Toluene
Xylenes, Total

0.0214
0.02195
0.0214
0.06906

0.0050
0.0050
0.0050
0.015

0.02
0.02
0.02
0.06

0
0
0
0

107
110
107
115

70
70
70
70

130
130
130
130

0
0
0
0

0
0
0
0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82956

Sample ID: VLCS083012A-7	SampType: LCSD	TestCode: VOC_W+	Units: mg/L	Prep Date:					Run ID: VOA-7_120830A		
Client ID: ZZZZ	Batch ID: R82956	TestNo: SW8260B	Analysis Date: 8/30/2012					SeqNo: 2231803			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.02197	0.0050	0.02	0	110	70	130	0.0214	2.63	20	
Ethylbenzene	0.02284	0.0050	0.02	0	114	70	130	0.02195	3.97	20	
Toluene	0.02193	0.0050	0.02	0	110	70	130	0.0214	2.45	20	
Xylenes, Total	0.07196	0.015	0.06	0	120	70	130	0.06906	4.11	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
12080876-043A:50	101	127 *	109	108				
12080876-054A:50	98.7	102	98.4	97.9				
12080876-056A:50	104	149 *	98.0	100				
12080876-057A:50	101	104	101	97.2				
12080876-059A:500	104	104	96.2	97.8				
12080876-052A	95.5	99.4	103	110				
12080876-055A	91.5	99.5	97.9	112				
12080876-058A	97.8	102	93.7	105				
12080876-017A:50	108	133 *	108	107				
12080876-059A:50	110 *	118 *	106	101				
VBLK090212-7	91.1	98.5	99.2	95.6				
VLCS090212-7	101	98.4	96.6	95.6				
VLCSD090212-7	99.8	98.4	97.9	95.8				
12080876-001A	98.1	99.0	99.4	110				
12080876-002A	100	101	95.6	108				
12080876-003A	94.9	96.8	101	107				
12080876-004A	97.1	98.8	97.5	107				
12080876-005A	97.9	100	95.7	106				
12080876-006A	97.2	97.2	97.1	108				
12080876-007A	98.4	99.3	112	115				
12080876-008A	99.3	97.2	98.9	102				
12080876-009A	97.2	95.9	101	108				
12080876-010A	95.1	101	97.7	105				
12080876-011A	98.5	98.6	95.7	104				
12080876-012A	93.3	97.9	96.6	108				
12080876-013A	77.2	95.9	100	111				
12080876-014A	95.2	97.7	97.0	111				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	63-110
BR4FBZ	= 4-Bromofluorobenzene	44-114
BZMED8	= Toluene-d8	85-110
BZMED8	= Toluene-d8	62-122
DBFM	= Dibromofluoromethane	83-119
DBFM	= Dibromofluoromethane	74-150
DCA12D4	= 1,2-Dichloroethane-d4	84-129
DCA12D4	= 1,2-Dichloroethane-d4	78-160

* Surrogate recovery outside acceptance limits

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW5035/8260B

Matrix: S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK090312-7	96.7	99.8	99.7	101				
VLCS090312-7	103	102	99.4	99.6				
VLCS090312-7	102	99.6	96.1	101				
12080876-028A	105	101	91.4	103				
12080876-030A	85.4	93.5	87.1	95.2				
12080876-031A	97.5	98.5	97.1	102				
12080876-032A	98.6	99.6	96.4	102				
12080876-033A	93.3	98.8	101	105				
12080876-034A	99.1	102	97.8	112				
12080876-035A	94.7	97.4	101	103				
12080876-037A	93.9	98.4	99.9	102				
12080876-039A	98.7	98.8	97.0	108				
VBLK090412-7	95.9	98.1	95.9	98.8				
VLCS090412-7	95.4	100	96.0	99.1				
VLCS090412-7	96.2	100	93.2	93.8				
12080876-022A	96.8	100	98.2	107				
12080876-036A	94.6	99.1	102	106				
12080876-017A:500	104	99.7	94.0	91.5				
12080876-046A:50	104	99.2	93.1	94.9				
12080876-051A:50	99.9	98.9	91.3	95.0				
12080876-053A:50	111 *	102	89.2	94.6				
12080876-053AMS	104	99.2	90.1	92.9				
12080876-053AMSD	100	102	86.1	88.9				
12080876-044A	91.0	94.2	92.9	97.3				
12080876-050A	103	96.5	93.6	105				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	63-110
BR4FBZ	= 4-Bromofluorobenzene	44-114
BZMED8	= Toluene-d8	85-110
BZMED8	= Toluene-d8	62-122
DBFM	= Dibromofluoromethane	83-119
DBFM	= Dibromofluoromethane	74-150
DCA12D4	= 1,2-Dichloroethane-d4	84-129
DCA12D4	= 1,2-Dichloroethane-d4	78-160

* Surrogate recovery outside acceptance limits

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82991

Sample ID: VBLK090212-7	SampType: MBLK	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120902A						
Client ID: ZZZZZ	Batch ID: R82991	TestNo: SW5035/8260	Analysis Date: 9/2/2012	SeqNo: 2232309							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0050
Ethylbenzene	ND	0.0050
Toluene	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS090212-7	SampType: LCS	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120902A						
Client ID: ZZZZZ	Batch ID: R82991	TestNo: SW5035/8260	Analysis Date: 9/2/2012	SeqNo: 2232310							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.0505	0.0050	0.05	0	101	70	130	0	0
Ethylbenzene	0.05556	0.0050	0.05	0	111	70	130	0	0
Toluene	0.05356	0.0050	0.05	0	107	70	130	0	0
Xylenes, Total	0.171	0.015	0.15	0	114	70	130	0	0

Sample ID: VLCS090212-7	SampType: LCSD	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:				Run ID: VOA-7_120902A			
Client ID: ZZZZZ	Batch ID: R82991	TestNo: SW5035/8260		Analysis Date: 9/2/2012				SeqNo: 2232311			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.05021	0.0050	0.05	0	100	70	130	0.0505	0.576	20
Ethylbenzene	0.05541	0.0050	0.05	0	111	70	130	0.05556	0.270	20
Toluene	0.05337	0.0050	0.05	0	107	70	130	0.05356	0.355	20
Xylenes, Total	0.1723	0.015	0.15	0	115	70	130	0.171	0.757	20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82995

Sample ID: VBLK090312-7	SampType: MBLK	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120903A						
Client ID: ZZZZ	Batch ID: R82995	TestNo: SW5035/8260	Analysis Date: 9/3/2012	SeqNo: 2232507							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0050
Ethylbenzene	ND	0.0050
Toluene	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS090312-7	SampType: LCS	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120903A						
Client ID: ZZZZ	Batch ID: R82995	TestNo: SW5035/8260	Analysis Date: 9/3/2012	SeqNo: 2232508							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.04931	0.0050	0.05	0	98.6	70	130	0	0
Ethylbenzene	0.05325	0.0050	0.05	0	106	70	130	0	0
Toluene	0.05306	0.0050	0.05	0	106	70	130	0	0
Xylenes, Total	0.168	0.015	0.15	0	112	70	130	0	0

Sample ID: VLCS090312-7	SampType: LCSD	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:				Run ID: VOA-7_120903A			
Client ID: ZZZZ	Batch ID: R82995	TestNo: SW5035/8260		Analysis Date: 9/3/2012				SeqNo: 2232509			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.04938	0.0050	0.05	0	98.8	70	130	0.04931	0.142	20
Ethylbenzene	0.05352	0.0050	0.05	0	107	70	130	0.05325	0.506	20
Toluene	0.05291	0.0050	0.05	0	106	70	130	0.05306	0.283	20
Xylenes, Total	0.1684	0.015	0.15	0	112	70	130	0.168	0.226	20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R83027

Sample ID: 12080876-053AMS	SampType: MS	TestCode: VOC_5035+	Units: mg/Kg-dry	Prep Date: 8/28/2012	Run ID: VOA-7_120904A						
Client ID: WS-8-2	Batch ID: R83027	TestNo: SW5035/8260		Analysis Date: 9/4/2012	SeqNo: 2233550						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	2.67	0.27	2.664	0	100	70	130	0	0		
Ethylbenzene	3.067	0.27	2.664	0.07247	112	70	130	0	0		
Toluene	2.742	0.27	2.664	0	103	70	130	0	0		
Xylenes, Total	9.409	0.80	7.993	0.0325	117	70	130	0	0		

Sample ID: 12080876-053AMSD	SampType: MSD	TestCode: VOC_5035+	Units: mg/Kg-dry	Prep Date: 8/28/2012	Run ID: VOA-7_120904A						
Client ID: WS-8-2	Batch ID: R83027	TestNo: SW5035/8260		Analysis Date: 9/4/2012	SeqNo: 2233551						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	2.61	0.27	2.664	0	98	70	130	2.67	2.28	25	
Ethylbenzene	2.878	0.27	2.664	0.07247	105	70	130	3.067	6.35	25	
Toluene	2.647	0.27	2.664	0	99.4	70	130	2.742	3.52	25	
Xylenes, Total	8.882	0.80	7.993	0.0325	111	70	130	9.409	5.76	25	

Sample ID: VBLK090412-7	SampType: MBLK	TestCode: VOC_ENCOR	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120904A						
Client ID: ZZZZ	Batch ID: R83027	TestNo: SW5035/8260	Analysis Date: 9/4/2012	SeqNo: 2233304							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0050									
Ethylbenzene	0.00045	0.0050									J
Toluene	0.00026	0.0050									J
Xylenes, Total	0.00149	0.015									J

Sample ID: VLCS090412-7	SampType: LCS	TestCode: VOC_ENCOR	Units: mg/Kg	Prep Date:	Run ID: VOA-7_120904A						
Client ID: ZZZZ	Batch ID: R83027	TestNo: SW5035/8260		Analysis Date: 9/4/2012	SeqNo: 2233305						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.04991	0.0050	0.05	0	99.8	70	130	0	0		
Ethylbenzene	0.05256	0.0050	0.05	0.00045	104	70	130	0	0		
Toluene	0.05191	0.0050	0.05	0.00026	103	70	130	0	0		
Xylenes, Total	0.1642	0.015	0.15	0.00149	108	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R83027

Sample ID: VLCS090412-7	SampType: LCSD	TestCode: VOC_ENC0R	Units: mg/Kg	Prep Date:				Run ID: VOA-7_120904A			
Client ID: ZZZZZ	Batch ID: R83027	TestNo: SW5035/8260		Analysis Date: 9/4/2012				SeqNo: 2233306			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.05098	0.0050	0.05	0	102	70	130	0.04991	2.12	20	
Ethylbenzene	0.05436	0.0050	0.05	0.00045	108	70	130	0.05256	3.37	20	
Toluene	0.05349	0.0050	0.05	0.00026	106	70	130	0.05191	3.00	20	
Xylenes, Total	0.1687	0.015	0.15	0.00149	111	70	130	0.1642	2.75	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R83034

Sample ID: VBLK090512-1	SampType: MBLK	TestCode: VOC_ENCOR	Units: mg/Kg	Prep Date:	Run ID: VOA-1_120905A						
Client ID: ZZZZZ	Batch ID: R83034	TestNo: SW5035/8260		Analysis Date: 9/5/2012	SeqNo: 2233507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0050
Ethylbenzene	ND	0.0050
Toluene	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS090512-1	SampType: LCS	TestCode: VOC_ENCOR	Units: mg/Kg	Prep Date:	Run ID: VOA-1_120905A						
Client ID: ZZZZZ	Batch ID: R83034	TestNo: SW5035/8260	Analysis Date: 9/5/2012	SeqNo: 2233509							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.04826	0.0050	0.05	0	96.5	70	130	0	0
Ethylbenzene	0.05194	0.0050	0.05	0	104	70	130	0	0
Toluene	0.0509	0.0050	0.05	0	102	70	130	0	0
Xylenes, Total	0.1615	0.015	0.15	0	108	70	130	0	0

Sample ID: VLCS090512-1	SampType: LCS	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-1_120905A						
Client ID: ZZZZ	Batch ID: R83034	TestNo: SW5035/8260		Analysis Date: 9/5/2012	SeqNo: 2233511						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.04947	0.0050	0.05	0	98.9	70	130	0.04826	2.48	20
Ethylbenzene	0.05434	0.0050	0.05	0	109	70	130	0.05194	4.52	20
Toluene	0.05148	0.0050	0.05	0	103	70	130	0.0509	1.13	20
Xylenes, Total	0.1652	0.015	0.15	0	110	70	130	0.1615	2.28	20

Sample ID: ZBLK082912	SampType: MBLK	TestCode: VOC_TCLP+	Units: mg/L	Prep Date:	Run ID: VOA-1_120905A						
Client ID: ZZZZZ	Batch ID: R83034	TestNo: SW1311/8260	Analysis Date: 9/5/2012	SeqNo: 2233515							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.050
Ethylbenzene	ND	0.050
Toluene	ND	0.050
Xylenes, Total	ND	0.15

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW8270C-SIM **Matrix:** W

**QC SUMMARY REPORT
SURROGATE RECOVERIES**

Sample ID	DCBZ12D4	NO2BZD5	PHEN2F	PHEND14				
MB-64517-PNA	46.0	52.2	56.2	76.6				
LCS-64517-PNA	51.4	60.6	62.8	72.2				
LCSD-64517-PNA	60.8	69.0	67.0	77.6				
12080876-040B	64.4	70.8	68.0	79.6				

Acronym	Surrogate	QC Limits
DCBZ12D4	= 1,2-Dichlorobenzene-d4	16-110
NO2BZD5	= Nitrobenzene-d5	35-114
PHEN2F	= 2-Fluorobiphenyl	43-116
PHEND14	= 4-Terphenyl-d14	33-141

*** Surrogate recovery outside acceptance limits**

Prep Start Date: **8/28/2012 12:37:24**

Prep End Date:

Prep Factor Units:

Prep Batch **64517**Prep Code: **3510_PNA**Technician: **VSH****mL / L**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-64517-PNA			1	0	0	1	1.000	8/28/2012	8/28/2012
LCS-64517-PNA			1	0	0	1	1.000	8/28/2012	8/28/2012
LCSD-64517-PNA			1	0	0	1	1.000	8/28/2012	8/28/2012
12080876-040B	Water		1	0	0	1	1.000	8/28/2012	8/28/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64517

Sample ID: MB-64517-PNA	SampType: MBLK	TestCode: PNA_WATER	Units: mg/L	Prep Date: 8/28/2012	Run ID: SVOC-7_120828A						
Client ID: ZZZZ	Batch ID: 64517	TestNo: SW8270C-SI		Analysis Date: 8/28/2012	SeqNo: 2229522						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0010									
Acenaphthylene	ND	0.0010									
Anthracene	ND	0.0010									
Benz(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.0010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenz(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.0010									
Fluorene	ND	0.0010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.0010									
Phenanthrene	ND	0.0010									
Pyrene	ND	0.0010									

Sample ID: LCS-64517-PNA	SampType: LCS	TestCode: PNA_WATER	Units: mg/L	Prep Date: 8/28/2012	Run ID: SVOC-7_120828A						
Client ID: ZZZZ	Batch ID: 64517	TestNo: SW8270C-SI		Analysis Date: 8/28/2012	SeqNo: 2229523						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00365	0.0010	0.005	0	73	50	125	0	0		
Acenaphthylene	0.00385	0.0010	0.005	0	77	50	125	0	0		
Anthracene	0.00416	0.0010	0.005	0	83.2	50	125	0	0		
Benz(a)anthracene	0.00387	0.00010	0.005	0	77.4	50	125	0	0		
Benzo(a)pyrene	0.00366	0.00010	0.005	0	73.2	50	125	0	0		
Benzo(b)fluoranthene	0.00402	0.00010	0.005	0	80.4	50	125	0	0		
Benzo(g,h,i)perylene	0.00356	0.0010	0.005	0	71.2	50	125	0	0		
Benzo(k)fluoranthene	0.00389	0.00010	0.005	0	77.8	50	125	0	0		
Chrysene	0.00389	0.00010	0.005	0	77.8	50	125	0	0		
Dibenz(a,h)anthracene	0.00373	0.00010	0.005	0	74.6	50	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64517

Sample ID: LCS-64517-PNA	SampType: LCS	TestCode: PNA_WATER	Units: mg/L	Prep Date: 8/28/2012	Run ID: SVOC-7_120828A						
Client ID: ZZZZ	Batch ID: 64517	TestNo: SW8270C-SI		Analysis Date: 8/28/2012	SeqNo: 2229523						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoranthene	0.00417	0.0010	0.005	0	83.4	50	125	0	0		
Fluorene	0.00392	0.0010	0.005	0	78.4	50	125	0	0		
Indeno(1,2,3-cd)pyrene	0.00378	0.00010	0.005	0	75.6	50	125	0	0		
Naphthalene	0.00348	0.0010	0.005	0	69.6	50	125	0	0		
Phenanthrene	0.0039	0.0010	0.005	0	78	50	125	0	0		
Pyrene	0.00398	0.0010	0.005	0	79.6	50	125	0	0		

Sample ID: LCSD-64517-PNA	SampType: LCSD	TestCode: PNA_WATER	Units: mg/L	Prep Date: 8/28/2012	Run ID: SVOC-7_120828A						
Client ID: ZZZZZ	Batch ID: 64517	TestNo: SW8270C-SI		Analysis Date: 8/28/2012	SeqNo: 2229524						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00402	0.0010	0.005	0	80.4	50	125	0.00365	9.65	25	
Acenaphthylene	0.00409	0.0010	0.005	0	81.8	50	125	0.00385	6.05	25	
Anthracene	0.00437	0.0010	0.005	0	87.4	50	125	0.00416	4.92	25	
Benz(a)anthracene	0.00419	0.00010	0.005	0	83.8	50	125	0.00387	7.94	25	
Benzo(a)pyrene	0.00396	0.00010	0.005	0	79.2	50	125	0.00366	7.87	25	
Benzo(b)fluoranthene	0.00454	0.00010	0.005	0	90.8	50	125	0.00402	12.1	25	
Benzo(g,h,i)perylene	0.00391	0.0010	0.005	0	78.2	50	125	0.00356	9.37	25	
Benzo(k)fluoranthene	0.00403	0.00010	0.005	0	80.6	50	125	0.00389	3.54	25	
Chrysene	0.00417	0.00010	0.005	0	83.4	50	125	0.00389	6.95	25	
Dibenz(a,h)anthracene	0.00401	0.00010	0.005	0	80.2	50	125	0.00373	7.24	25	
Fluoranthene	0.00459	0.0010	0.005	0	91.8	50	125	0.00417	9.59	25	
Fluorene	0.00416	0.0010	0.005	0	83.2	50	125	0.00392	5.94	25	
Indeno(1,2,3-cd)pyrene	0.00404	0.00010	0.005	0	80.8	50	125	0.00378	6.65	25	
Naphthalene	0.00388	0.0010	0.005	0	77.6	50	125	0.00348	10.9	25	
Phenanthrene	0.00419	0.0010	0.005	0	83.8	50	125	0.0039	7.17	25	
Pyrene	0.00429	0.0010	0.005	0	85.8	50	125	0.00398	7.50	25	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW8270C

Matrix: S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
12080876-053B	74.6	77.9	82.2	99.8	69.9	83.1	87.9	111
MB-64573-SVOC	57.8	62.1	63.2	74.3	55.0	63.5	67.8	105
LCS-64573-SVOC	48.9	46.8	51.3	64.3	44.3	52.5	53.6	73.8
12080876-036B	50.0	45.0	53.8	69.0	46.5	56.3	55.0	78.8
12080876-037B	58.5	57.4	63.0	82.6	50.7	65.6	68.0	103
12080876-038B	39.5	40.1	43.1	85.5	35.5	43.4	46.1	104
12080876-039B	59.7	58.4	62.9	83.9	55.7	67.4	69.0	88.6
12080876-043B	46.9	46.9	50.9	88.3	43.8	53.0	58.6	106
12080876-044B	73.2	73.8	77.5	91.0	68.7	80.5	77.5	96.0
12080876-046B	50.2	52.5	58.0	81.6	44.6	56.0	59.6	101
12080876-053BMS	53.3	55.8	62.5	89.4	46.9	58.3	64.9	96.9
12080876-053BMSD	51.2	49.2	59.0	71.3	45.8	57.1	58.5	70.6
12080876-056B	77.3	83.7	79.9	97.3	68.5	86.4	92.6	98.0
12080876-057B	83.8	93.2	93.3	99.4	72.2	88.2	95.7	100
12080876-058B	64.5	70.0	73.9	79.5	55.1	68.8	74.9	83.7
12080876-059B	56.5	61.1	65.7	79.9	47.7	60.5	68.8	88.1
12080876-035BMS	71.3	76.1	85.3	97.5	63.0	78.0	82.5	100
12080876-035BMSD	69.1	73.1	81.4	95.5	58.0	74.8	79.6	103
MB-64614-SVOC	64.3	69.0	74.4	81.7	58.8	69.4	69.2	105
MB-64562-SVOC	66.5	68.2	73.2	86.9	61.9	71.9	75.0	106
LCS-64562-SVOC	76.5	76.0	86.9	104	66.6	80.9	85.7	102
12080876-013B	68.5	71.3	80.0	101	58.9	75.0	81.9	99.7
12080876-014B	74.3	72.5	87.4	92.0	62.1	79.6	85.7	92.0
12080876-017B	76.2	76.6	85.1	102	69.9	82.3	81.7	96.5
12080876-022B	76.4	74.1	87.3	93.1	69.1	84.4	80.5	95.5
12080876-030B	76.2	74.9	90.2	103	63.9	82.5	88.7	105
12080876-031B	61.1	60.6	72.3	84.4	57.2	69.2	69.0	88.7

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL
Test No: SW8270C

Matrix: S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
12080876-032B	43.7	43.0	51.6	52.0	39.4	48.6	45.8	57.3
12080876-033B	78.2	76.5	94.1	98.7	73.0	89.5	84.8	94.2
12080876-034B	82.0	80.1	97.6	99.6	75.5	92.5	86.1	101
12080876-035B	75.5	72.4	90.2	90.1	68.6	85.5	79.0	88.7
12080876-050B	36.9	35.2	45.6	74.3	34.1	43.5	45.0	93.6
12080876-051B	42.7	39.8	52.4	75.5	41.1	51.2	52.7	86.3
12080876-052B	55.0	51.5	67.2	86.0	51.1	67.2	62.6	94.2
12080876-054B	69.9	68.2	86.3	94.1	64.3	81.2	74.8	96.8
12080876-055B	70.7	68.1	86.7	84.9	63.8	78.8	74.9	84.9
12081071-001BMS	73.5	71.9	83.0	111	63.6	79.4	86.4	106
12081071-001BMSD	79.7	78.1	89.9	117	71.2	85.5	91.0	104
LCS-64614-SVOC	83.1	82.9	95.1	117	71.6	87.7	91.6	106

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

Prep Start Date: **8/30/2012 12:46:38**

Prep End Date:

Prep Factor Units:

 Prep Batch **64562**

 Prep Code: **3550_SVOC**

 Technician: **FAC**

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-64562-SVOC			0.03	0	0	1	33.333	8/30/2012	8/30/2012
LCS-64562-SVOC			0.03	0	0	1	33.333	8/30/2012	8/30/2012
12080876-013B	Soil		0.03012	0	0	1	33.201	8/30/2012	8/30/2012
12080876-014B	Soil		0.03006	0	0	1	33.267	8/30/2012	8/30/2012
12080876-017B	Soil		0.03015	0	0	1	33.167	8/30/2012	8/30/2012
12080876-022B	Soil		0.03013	0	0	1	33.190	8/30/2012	8/30/2012
12080876-028B	Soil		0.03005	0	0	1	33.278	8/30/2012	8/30/2012
12080876-030B	Soil		0.03007	0	0	1	33.256	8/30/2012	8/30/2012
12080876-031B	Soil		0.03023	0	0	1	33.080	8/30/2012	8/30/2012
12080876-032B	Soil		0.0303	0	0	1	33.003	8/30/2012	8/30/2012
12080876-033B	Soil		0.03021	0	0	1	33.102	8/30/2012	8/30/2012
12080876-034B	Soil		0.03023	0	0	1	33.080	8/30/2012	8/30/2012
12080876-035B	Soil		0.0301	0	0	1	33.223	8/30/2012	8/30/2012
12080876-036B	Soil		0.03023	0	0	1	33.080	8/30/2012	8/30/2012
12080876-037B	Soil		0.03009	0	0	1	33.234	8/30/2012	8/30/2012
12080876-038B	Soil		0.03007	0	0	1	33.256	8/30/2012	8/30/2012
12080876-039B	Soil		0.03008	0	0	1	33.245	8/30/2012	8/30/2012
12080876-043B	Soil		0.03004	0	0	1	33.289	8/30/2012	8/30/2012
12080876-044B	Soil		0.03002	0	0	1	33.311	8/30/2012	8/30/2012
12080876-046B	Soil		0.03006	0	0	1	33.267	8/30/2012	8/30/2012
12080876-050B	Soil		0.03005	0	0	1	33.278	8/30/2012	8/30/2012
12080876-051B	Soil		0.03007	0	0	1	33.256	8/30/2012	8/30/2012
12080876-035BMS	Soil		0.0301	0	0	1	33.223	8/30/2012	8/30/2012
12080876-035BMSD	Soil		0.0301	0	0	1	33.223	8/30/2012	8/30/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64562

Sample ID: MB-64562-SVOC	SampType: MBLK	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-6_120830A						
Client ID: ZZZZZ	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231104						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Naphthalene	ND	0.033									
Phenanthrene	ND	0.033									
Pyrene	ND	0.033									

Sample ID: LCS-64562-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-6_120830A						
Client ID: ZZZZZ	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231197						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.333	0.033	1.667	0	79.9	37	134	0	0		
4-Chloro-3-methylphenol	3.102	0.33	3.333	0	93.1	29	134	0	0		
2-Chlorophenol	2.472	0.17	3.333	0	74.2	29	105	0	0		
1,4-Dichlorobenzene	1.134	0.17	1.667	0	68	26	111	0	0		
2,4-Dinitrotoluene	1.39	0.033	1.667	0	83.4	46	125	0	0		
4-Nitrophenol	3.686	0.33	3.333	0	111	12	146	0	0		
N-Nitrosodi-n-propylamine	1.233	0.033	1.667	0	73.9	29	109	0	0		
Pentachlorophenol	3.052	0.033	3.333	0	91.6	10	192	0	0		
Phenol	2.548	0.17	3.333	0	76.4	27	104	0	0		
Pyrene	1.527	0.033	1.667	0	91.6	42	148	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64562

Sample ID: LCS-64562-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-6_120830A						
Client ID: ZZZZZ	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231197						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.268	0.17	1.667	0	76.1	55	106	0	0		

Sample ID: 12080876-035BMS	SampType: MS	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: SRA-3-2	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2232474						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.519	0.037	1.865	0	81.5	24	139	0	0		
4-Chloro-3-methylphenol	3.217	0.37	3.728	0	86.3	28	121	0	0		
2-Chlorophenol	2.695	0.19	3.728	0	72.3	21	102	0	0		
1,4-Dichlorobenzene	1.319	0.19	1.865	0	70.7	27	95	0	0		
2,4-Dinitrotoluene	1.702	0.037	1.865	0	91.3	32	127	0	0		
4-Nitrophenol	3.724	0.37	3.728	0	99.9	10	156	0	0		
N-Nitrosodi-n-propylamine	1.41	0.037	1.865	0	75.6	16	122	0	0		
Pentachlorophenol	3.623	0.037	3.728	0	97.2	10	204	0	0		
Phenol	2.742	0.19	3.728	0	73.6	20	103	0	0		
Pyrene	1.672	0.037	1.865	0	89.7	10	184	0	0		
1,2,4-Trichlorobenzene	1.368	0.19	1.865	0	73.4	55	106	0	0		

Sample ID: 12080876-035BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: SRA-3-2	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2232475						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.473	0.037	1.865	0	79	24	139	1.519	3.07	57	
4-Chloro-3-methylphenol	3.083	0.37	3.728	0	82.7	28	121	3.217	4.26	88	
2-Chlorophenol	2.562	0.19	3.728	0	68.7	21	102	2.695	5.04	49	
1,4-Dichlorobenzene	1.245	0.19	1.865	0	66.8	27	95	1.319	5.76	43	
2,4-Dinitrotoluene	1.666	0.037	1.865	0	89.3	32	127	1.702	2.15	37	
4-Nitrophenol	3.794	0.37	3.728	0	102	10	156	3.724	1.87	56	
N-Nitrosodi-n-propylamine	1.394	0.037	1.865	0	74.8	16	122	1.41	1.14	47	
Pentachlorophenol	3.54	0.037	3.728	0	95	10	204	3.623	2.30	47	
Phenol	2.611	0.19	3.728	0	70	20	103	2.742	4.92	66	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64562

Sample ID: 12080876-035BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: SRA-3-2	Batch ID: 64562	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2232475						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	1.717	0.037	1.865	0	92.1	10	184	1.672	2.64	51	
1,2,4-Trichlorobenzene	1.298	0.19	1.865	0	69.6	55	106	1.368	5.29	23	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **8/30/2012 4:31:47 P**

Prep End Date:

Prep Factor Units:

 Prep Batch **64573**

 Prep Code: **3550_SVOC**

 Technician: **FAC**

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-64573-SVOC			0.03	0	0	1	33.333	8/30/2012	8/30/2012
LCS-64573-SVOC			0.03	0	0	1	33.333	8/30/2012	8/30/2012
12080876-052B	Soil		0.03015	0	0	1	33.167	8/30/2012	8/30/2012
12080876-053B	Soil		0.03004	0	0	1	33.289	8/30/2012	8/30/2012
12080876-053BMS	Soil		0.03005	0	0	1	33.278	8/30/2012	8/30/2012
12080876-053BMSD	Soil		0.03005	0	0	1	33.278	8/30/2012	8/30/2012
12080876-054B	Soil		0.0301	0	0	1	33.223	8/30/2012	8/30/2012
12080876-055B	Soil		0.0301	0	0	1	33.223	8/30/2012	8/30/2012
12080876-056B	Soil		0.03023	0	0	1	33.080	8/30/2012	8/30/2012
12080876-057B	Soil		0.03021	0	0	1	33.102	8/30/2012	8/30/2012
12080876-058B	Soil		0.03008	0	0	1	33.245	8/30/2012	8/30/2012
12080876-059B	Soil		0.03009	0	0	1	33.234	8/31/2012	8/30/2012
12080643-002B	Soil		0.03027	0	0	1	33.036	8/31/2012	8/31/2012
12080643-003B	Soil		0.03017	0	0	1	33.146	8/31/2012	8/31/2012
12080692-001B	Soil		0.03015	0	0	1	33.167	8/31/2012	8/31/2012
12081027-001B	Soil		0.0302	0	0	1	33.113	8/31/2012	8/31/2012
12081027-002B	Soil		0.03023	0	0	1	33.080	8/31/2012	8/31/2012
12081027-003B	Soil		0.03028	0	0	1	33.025	8/31/2012	8/31/2012
12080839-002B	Soil		0.03031	0	0	1	32.992	8/31/2012	8/31/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64573

Sample ID: MB-64573-SVOC	SampType: MBLK	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-5_120830B						
Client ID: ZZZZ	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231479						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Naphthalene	ND	0.033									
Phenanthrene	ND	0.033									
Pyrene	ND	0.033									

Sample ID: LCS-64573-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-5_120830B						
Client ID: ZZZZ	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231484						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.9193	0.033	1.667	0	55.1	37	134	0	0		
4-Chloro-3-methylphenol	1.82	0.33	3.333	0	54.6	29	134	0	0		
2-Chlorophenol	1.617	0.17	3.333	0	48.5	29	105	0	0		
1,4-Dichlorobenzene	0.7137	0.17	1.667	0	42.8	26	111	0	0		
2,4-Dinitrotoluene	1.033	0.033	1.667	0	62	46	125	0	0		
4-Nitrophenol	2.241	0.33	3.333	0	67.2	12	146	0	0		
N-Nitrosodi-n-propylamine	0.7753	0.033	1.667	0	46.5	29	109	0	0		
Pentachlorophenol	1.965	0.033	3.333	0	59	10	192	0	0		
Phenol	1.649	0.17	3.333	0	49.5	27	104	0	0		
Pyrene	1.117	0.033	1.667	0	67	42	148	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64573

Sample ID: LCS-64573-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 8/30/2012	Run ID: SVOC-5_120830B						
Client ID: ZZZZ	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/30/2012	SeqNo: 2231484						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	0.755	0.17	1.667	0	45.3	55	106	0	0		S

Sample ID: 12080876-053BMS	SampType: MS	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: WS-8-2	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2231913						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.402	0.041	2.05	0	68.4	24	139	0	0		
4-Chloro-3-methylphenol	2.957	0.41	4.098	0	72.2	28	121	0	0		
2-Chlorophenol	2.207	0.21	4.098	0	53.9	21	102	0	0		
1,4-Dichlorobenzene	1.052	0.21	2.05	0	51.3	27	95	0	0		
2,4-Dinitrotoluene	1.717	0.041	2.05	0	83.8	32	127	0	0		
4-Nitrophenol	3.89	0.41	4.098	0	94.9	10	156	0	0		
N-Nitrosodi-n-propylamine	1.192	0.041	2.05	0	58.1	16	122	0	0		
Pentachlorophenol	3.764	0.041	4.098	0	91.9	10	204	0	0		
Phenol	2.283	0.21	4.098	0	55.7	20	103	0	0		
Pyrene	1.781	0.041	2.05	0	86.9	10	184	0	0		
1,2,4-Trichlorobenzene	1.11	0.21	2.05	0	54.1	55	106	0	0		S

Sample ID: 12080876-053BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: WS-8-2	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2231917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.188	0.041	2.05	0	57.9	24	139	1.402	16.6	57	
4-Chloro-3-methylphenol	2.548	0.41	4.098	0	62.2	28	121	2.957	14.8	88	
2-Chlorophenol	2.128	0.21	4.098	0	51.9	21	102	2.207	3.65	49	
1,4-Dichlorobenzene	0.9225	0.21	2.05	0	45	27	95	1.052	13.1	43	
2,4-Dinitrotoluene	1.371	0.041	2.05	0	66.9	32	127	1.717	22.4	37	
4-Nitrophenol	3.142	0.41	4.098	0	76.7	10	156	3.89	21.3	56	
N-Nitrosodi-n-propylamine	1.053	0.041	2.05	0	51.4	16	122	1.192	12.3	47	
Pentachlorophenol	2.792	0.041	4.098	0	68.1	10	204	3.764	29.7	47	
Phenol	2.185	0.21	4.098	0	53.3	20	103	2.283	4.37	66	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64573

Sample ID: 12080876-053BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 8/30/2012	Run ID: SVOC-5_120831A						
Client ID: WS-8-2	Batch ID: 64573	TestNo: SW8270C		Analysis Date: 8/31/2012	SeqNo: 2231917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	1.312	0.041	2.05	0	64	10	184	1.781	30.3	51	
1,2,4-Trichlorobenzene	0.9967	0.21	2.05	0	48.6	55	106	1.11	10.7	23	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **9/4/2012 10:57:25 A**

Prep End Date:

Prep Factor Units:

 Prep Batch **64614**

 Prep Code: **3550_SVOC**

 Technician: **FAC**

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-64614-SVOC			0.03	0	0	1	33.333	9/4/2012	9/4/2012
LCS-64614-SVOC			0.03	0	0	1	33.333	9/4/2012	9/4/2012
12080876-028B	Soil		0.03008	0	0	1	33.245	9/4/2012	9/4/2012
12080876-053B	Soil		0.03046	0	0	1	32.830	9/4/2012	9/4/2012
12081071-001B	Soil		0.03012	0	0	1	33.201	9/4/2012	9/4/2012
12081071-002B	Soil		0.03004	0	0	1	33.289	9/4/2012	9/4/2012
12081071-003B	Soil		0.03091	0	0	1	32.352	9/4/2012	9/4/2012
12081071-004B	Soil		0.03009	0	0	1	33.234	9/4/2012	9/4/2012
12081071-005B	Soil		0.03034	0	0	1	32.960	9/4/2012	9/4/2012
12081071-006B	Soil		0.03052	0	0	1	32.765	9/4/2012	9/4/2012
12090002-001B	Soil		0.03005	0	0	1	33.278	9/4/2012	9/4/2012
12090002-002B	Soil		0.03038	0	0	1	32.916	9/4/2012	9/4/2012
12090002-003B	Soil		0.03012	0	0	1	33.201	9/4/2012	9/4/2012
12090002-004B	Soil		0.0303	0	0	1	33.003	9/4/2012	9/4/2012
12090002-005B	Soil		0.03038	0	0	1	32.916	9/4/2012	9/4/2012
12090002-006B	Soil		0.03011	0	0	1	33.212	9/4/2012	9/4/2012
12090014-001B	Soil		0.03042	0	0	1	32.873	9/4/2012	9/4/2012
12090019-001A	Soil		0.03033	0	0	1	32.971	9/4/2012	9/4/2012
12090019-002A	Soil		0.03038	0	0	1	32.916	9/4/2012	9/4/2012
12090019-003A	Soil		0.03011	0	0	1	33.212	9/4/2012	9/4/2012
12081071-001BMS	Soil		0.03011	0	0	1	33.212	9/4/2012	9/4/2012
12081071-001BMSD	Soil		0.03014	0	0	1	33.179	9/4/2012	9/4/2012
12081070-001A	Soil		0.03008	0	0	1	33.245	9/5/2012	9/5/2012
12090032-001B	Soil		0.03011	0	0	1	33.212	9/5/2012	9/5/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64614

Sample ID: MB-64614-SVOC	SampType: MBLK	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 9/4/2012	Run ID: SVOC-5_120904A						
Client ID: ZZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232789						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Naphthalene	ND	0.033									
Phenanthrene	ND	0.033									
Pyrene	ND	0.033									

Sample ID: LCS-64614-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 9/4/2012	Run ID: SVOC-6_120904A						
Client ID: ZZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232790						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.481	0.033	1.667	0	88.8	37	134	0	0		
4-Chloro-3-methylphenol	3.331	0.33	3.333	0	99.9	29	134	0	0		
2-Chlorophenol	2.7	0.17	3.333	0	81	29	105	0	0		
1,4-Dichlorobenzene	1.285	0.17	1.667	0	77.1	26	111	0	0		
2,4-Dinitrotoluene	1.535	0.033	1.667	0	92.1	46	125	0	0		
4-Nitrophenol	4.268	0.33	3.333	0	128	12	146	0	0		E
N-Nitrosodi-n-propylamine	1.362	0.033	1.667	0	81.7	29	109	0	0		
Pentachlorophenol	3.422	0.033	3.333	0	103	10	192	0	0		
Phenol	2.783	0.17	3.333	0	83.5	27	104	0	0		
Pyrene	1.592	0.033	1.667	0	95.5	42	148	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64614

Sample ID: LCS-64614-SVOC	SampType: LCS	TestCode: SVOC_SOIL	Units: mg/Kg	Prep Date: 9/4/2012	Run ID: SVOC-6_120904A						
Client ID: ZZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232790						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.399	0.17	1.667	0	83.9	55	106	0	0		

Sample ID: 12081071-001BMS	SampType: MS	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 9/4/2012	Run ID: SVOC-6_120904A						
Client ID: ZZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232740						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.601	0.039	1.938	0	82.6	24	139	0	0		
4-Chloro-3-methylphenol	3.732	0.39	3.875	0	96.3	28	121	0	0		
2-Chlorophenol	2.759	0.20	3.875	0	71.2	21	102	0	0		
1,4-Dichlorobenzene	1.266	0.20	1.938	0	65.3	27	95	0	0		
2,4-Dinitrotoluene	1.654	0.039	1.938	0	85.3	32	127	0	0		
4-Nitrophenol	4.997	0.39	3.875	0	129	10	156	0	0		E
N-Nitrosodi-n-propylamine	1.417	0.039	1.938	0	73.1	16	122	0	0		
Pentachlorophenol	3.841	0.039	3.875	0	99.1	10	204	0	0		
Phenol	2.927	0.20	3.875	0	75.5	20	103	0	0		
Pyrene	1.868	0.039	1.938	0	96.4	10	184	0	0		
1,2,4-Trichlorobenzene	1.445	0.20	1.938	0	74.6	55	106	0	0		

Sample ID: 12081071-001BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 9/4/2012	Run ID: SVOC-6_120904A						
Client ID: ZZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1.708	0.039	1.936	0	88.2	24	139	1.601	6.48	57	
4-Chloro-3-methylphenol	3.881	0.39	3.871	0	100	28	121	3.732	3.92	88	
2-Chlorophenol	3.034	0.20	3.871	0	78.4	21	102	2.759	9.51	49	
1,4-Dichlorobenzene	1.42	0.20	1.936	0	73.4	27	95	1.266	11.5	43	
2,4-Dinitrotoluene	1.726	0.039	1.936	0	89.2	32	127	1.654	4.30	37	
4-Nitrophenol	5.186	0.39	3.871	0	134	10	156	4.997	3.71	56	E
N-Nitrosodi-n-propylamine	1.492	0.039	1.936	0	77	16	122	1.417	5.15	47	
Pentachlorophenol	3.969	0.039	3.871	0	103	10	204	3.841	3.29	47	
Phenol	3.159	0.20	3.871	0	81.6	20	103	2.927	7.60	66	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64614

Sample ID: 12081071-001BMSD	SampType: MSD	TestCode: SVOC_SOIL	Units: mg/Kg-dry	Prep Date: 9/4/2012	Run ID: SVOC-6_120904A						
Client ID: ZZZZ	Batch ID: 64614	TestNo: SW8270C		Analysis Date: 9/4/2012	SeqNo: 2232741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	1.859	0.039	1.936	0	96	10	184	1.868	0.474	51	
1,2,4-Trichlorobenzene	1.518	0.20	1.936	0	78.4	55	106	1.445	4.95	23	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **9/4/2012 2:15:01 PM**

Prep End Date:

 Prep Batch **64621**

 Prep Code: **3580_TPH**

 Technician: **FAC**

Prep Factor Units:

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-64621-TPH			0.005	0	0	5	1000.000	9/4/2012	9/4/2012
LCS-64621-TPH			0.005	0	0	5	1000.000	9/4/2012	9/4/2012
12080876-017B	Soil		0.00503	0	0	5	994.036	9/4/2012	9/4/2012
12080876-022B	Soil		0.00508	0	0	5	984.252	9/4/2012	9/4/2012
12080876-042B	Soil		0.00541	0	0	5	924.214	9/4/2012	9/4/2012
12080876-057B	Soil		0.00509	0	0	5	982.318	9/4/2012	9/4/2012
12080876-057BMS	Soil		0.00502	0	0	5	996.016	9/4/2012	9/4/2012
12080876-057BMSD	Soil		0.00507	0	0	5	986.193	9/4/2012	9/4/2012
12081052-004B	Soil		0.00508	0	0	5	984.252	9/4/2012	9/4/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64621

Sample ID: MB-64621-TPH	SampType: MBLK	TestCode: TPH_S	Units: mg/Kg	Prep Date: 9/4/2012	Run ID: GC-FID-2_120904A						
Client ID: ZZZZ	Batch ID: 64621	TestNo: SW8015M		Analysis Date: 9/4/2012	SeqNo: 2233260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	ND	20									
TPH (DRO)	3.235	20									J
TPH (ERO)	ND	20									*

Sample ID: LCS-64621-TPH	SampType: LCS	TestCode: TPH_S	Units: mg/Kg	Prep Date: 9/4/2012	Run ID: GC-FID-2_120904A						
Client ID: ZZZZ	Batch ID: 64621	TestNo: SW8015M		Analysis Date: 9/4/2012	SeqNo: 2233259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	153	20	200	0	76.5	30	150	0	0		
TPH (DRO)	225.3	20	200	3.235	111	30	150	0	0		
TPH (ERO)	211.4	20	200	0	106	30	150	0	0		*

Sample ID: 12080876-057BMS	SampType: MS	TestCode: TPH_S	Units: mg/Kg-dry	Prep Date: 9/4/2012	Run ID: GC-FID-2_120904A						
Client ID: WS-10-1	Batch ID: 64621	TestNo: SW8015M		Analysis Date: 9/4/2012	SeqNo: 2233257						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	4445	21	208.8	3645	383	30	150	0	0		S
TPH (DRO)	2684	21	208.8	2475	100	30	150	0	0		
TPH (ERO)	244.4	21	208.8	21.61	107	30	150	0	0		*

Sample ID: 12080876-057BMSD	SampType: MSD	TestCode: TPH_S	Units: mg/Kg-dry	Prep Date: 9/4/2012	Run ID: GC-FID-2_120904A						
Client ID: WS-10-1	Batch ID: 64621	TestNo: SW8015M		Analysis Date: 9/4/2012	SeqNo: 2233258						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (GRO)	3484	21	206.7	3645	-77.8	30	150	4445	24.2	25	S
TPH (DRO)	2339	21	206.7	2475	-65.7	30	150	2684	13.7	25	S
TPH (ERO)	232	21	206.7	21.61	102	30	150	244.4	5.21	25	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

Prep Start Date: **8/29/2012 9:40:00 A**

Prep End Date: **8/29/2012 1:20:00 P**

Prep Factor Units:

Prep Batch **64532**

Prep Code: **M_S_PREP**

Technician: **MDDT**
mL / g

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 8/29/12			1	0	0	50	50.000	8/29/2012	8/29/2012
ILCSS2 8/29/12			1	0	0	50	50.000	8/29/2012	8/29/2012
12080876-001B	Soil		0.951	0	0	50	52.576	8/29/2012	8/29/2012
12080876-002B	Soil		0.93	0	0	50	53.763	8/29/2012	8/29/2012
12080876-003B	Soil		0.957	0	0	50	52.247	8/29/2012	8/29/2012
12080876-004B	Soil		0.993	0	0	50	50.352	8/29/2012	8/29/2012
12080876-004BMS	Soil		0.979	0	0	50	51.073	8/29/2012	8/29/2012
12080876-004BMSD	Soil		0.97	0	0	50	51.546	8/29/2012	8/29/2012
12080876-005B	Soil		0.949	0	0	50	52.687	8/29/2012	8/29/2012
12080876-006B	Soil		0.903	0	0	50	55.371	8/29/2012	8/29/2012
12080876-007B	Soil		1.014	0	0	50	49.310	8/29/2012	8/29/2012
12080876-008B	Soil		1.017	0	0	50	49.164	8/29/2012	8/29/2012
12080876-009B	Soil		0.983	0	0	50	50.865	8/29/2012	8/29/2012
12080876-010B	Soil		0.986	0	0	50	50.710	8/29/2012	8/29/2012
12080876-011B	Soil		0.972	0	0	50	51.440	8/29/2012	8/29/2012
12080876-012B	Soil		0.978	0	0	50	51.125	8/29/2012	8/29/2012
12080740-001BSAMP			0.113	0	0	50	442.478	8/29/2012	8/29/2012
12080740-001B	Product		0.284	0	0	50	176.056	8/29/2012	8/29/2012
12080741-001B	Product		0.232	0	0	50	215.517	8/29/2012	8/29/2012

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: 64532

Sample ID: IMBS2 8/29/12	SampType: MBLK	TestCode: M_ICPMS_S	Units: mg/Kg	Prep Date: 8/29/2012	Run ID: ICPMS-2_120829A						
Client ID: ZZZZ	Batch ID: 64532	TestNo: SW6020		Analysis Date: 8/29/2012	SeqNo: 2230584						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.195	0.25									J

Sample ID: ILCSS2 8/29/12	SampType: LCS	TestCode: M_ICPMS_S	Units: mg/Kg	Prep Date: 8/29/2012	Run ID: ICPMS-2_120829A						
Client ID: ZZZZ	Batch ID: 64532	TestNo: SW6020		Analysis Date: 8/29/2012	SeqNo: 2230585						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.38	0.25	25	0.195	105	80	120	0	0		

Sample ID: 12080876-004BMS	SampType: MS	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 8/29/2012	Run ID: ICPMS-2_120829A						
Client ID: UST-2-2	Batch ID: 64532	TestNo: SW6020		Analysis Date: 8/29/2012	SeqNo: 2230593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	31.65	0.53	26.63	2.349	110	75	125	0	0		

Sample ID: 12080876-004BMSD	SampType: MSD	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 8/29/2012	Run ID: ICPMS-2_120829A						
Client ID: UST-2-2	Batch ID: 64532	TestNo: SW6020		Analysis Date: 8/29/2012	SeqNo: 2230594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.41	0.54	26.87	2.349	112	75	125	31.65	2.38	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82859

Sample ID: PMMBK3 8/27/2012	SampType: MBLK	TestCode: PMOIST	Units: wt%	Prep Date: 8/27/2012	Run ID: BALANCE_120827C						
Client ID: ZZZZZ	Batch ID: R82859	TestNo: D2974		Analysis Date: 8/28/2012	SeqNo: 2229198						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	ND	0.200									*

Sample ID: PMLCS-S3 8/27/2012	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/27/2012	Run ID: BALANCE_120827C						
Client ID: ZZZZZ	Batch ID: R82859	TestNo: D2974		Analysis Date: 8/28/2012	SeqNo: 2229199						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	4.56	0.200	5	0	91.2	80	120	0	0		*

Sample ID: PMLCS-W3 8/27/201	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/27/2012	Run ID: BALANCE_120827C						
Client ID: ZZZZZ	Batch ID: R82859	TestNo: D2974		Analysis Date: 8/28/2012	SeqNo: 2229200						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	99.83	0.200	99.8	0	100	80	120	0	0		*

Sample ID: 12080834-002B DUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date: 8/27/2012	Run ID: BALANCE_120827C						
Client ID: ZZZZ	Batch ID: R82859	TestNo: D2974		Analysis Date: 8/28/2012	SeqNo: 2229202						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	11.4	0.200	0	0	0	0	0	11.1	2.67	20	*

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82880

Sample ID: PMMBK 8/28/12	SampType: MBLK	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828A						
Client ID: ZZZZZ	Batch ID: R82880	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229773						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	ND	0.200									*

Sample ID: PMLCS-S 8/28/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828A						
Client ID: ZZZZZ	Batch ID: R82880	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229774						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	4.55	0.200	5	0	91	80	120	0	0		*

Sample ID: PMLCS-W 8/28/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828A						
Client ID: ZZZZZ	Batch ID: R82880	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	99.81	0.200	99.8	0	100	80	120	0	0		*

Sample ID: 12080876-010B DUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828A						
Client ID: UST-5-2	Batch ID: R82880	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229777						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	16.94	0.200	0	0	0	0	0	15.46	9.14	20	*

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82881

Sample ID: PMMBK2 8/28/12	SampType: MBLK	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828B						
Client ID: ZZZZZ	Batch ID: R82881	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229841						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	ND	0.200									*

Sample ID: PMLCS-S2 8/28/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828B						
Client ID: ZZZZZ	Batch ID: R82881	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229842						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	4.72	0.200	5	0	94.4	80	120	0	0		*

Sample ID: PMLCS-W2 8/28/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828B						
Client ID: ZZZZZ	Batch ID: R82881	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229843						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	99.82	0.200	99.8	0	100	80	120	0	0		*

Sample ID: 12080884-001B DUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date: 8/28/2012	Run ID: BALANCE_120828B						
Client ID: ZZZZ	Batch ID: R82881	TestNo: D2974		Analysis Date: 8/29/2012	SeqNo: 2229846						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	19.24	0.200	0	0	0	0	0	19.34	0.518	20	*

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Camp, Dresser and McKee
Work Order: 12080876
Project: Omnitrax Wedron, Wedron, IL

ANALYTICAL QC SUMMARY REPORT

BatchID: R82953

Sample ID: PMMBK 8/30/12	SampType: MBLK	TestCode: PMOIST	Units: wt%	Prep Date: 8/30/2012	Run ID: BALANCE_120830C						
Client ID: ZZZZZ	Batch ID: R82953	TestNo: D2974		Analysis Date: 8/31/2012	SeqNo: 2231618						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	ND	0.200									*

Sample ID: PMLCS-S 8/30/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/30/2012	Run ID: BALANCE_120830C						
Client ID: ZZZZZ	Batch ID: R82953	TestNo: D2974		Analysis Date: 8/31/2012	SeqNo: 2231619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	5.02	0.200	5	0	100	80	120	0	0		*

Sample ID: PMLCS-W 8/30/12	SampType: LCS	TestCode: PMOIST	Units: wt%	Prep Date: 8/30/2012	Run ID: BALANCE_120830C						
Client ID: ZZZZZ	Batch ID: R82953	TestNo: D2974		Analysis Date: 8/31/2012	SeqNo: 2231620						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	99.83	0.200	99.8	0	100	80	120	0	0		*

Sample ID: 12080643-004A DUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date: 8/30/2012	Run ID: BALANCE_120830C						
Client ID: ZZZZ	Batch ID: R82953	TestNo: D2974		Analysis Date: 8/31/2012	SeqNo: 2231622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	19.27	0.200	0	0	0	0	0	17.9	7.37	20	*

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CDM Smith 2013 DATA

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-69043-1

Client Project/Site: 3450 E 2056th Wedron IL

For:

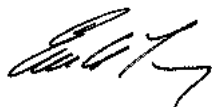
CDM Smith, Inc.

125 South Wacker Drive

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Attn: Chris Albrecht



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1/8/2014 5:02:42 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Job ID: 500-69043-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-69043-1

Comments

No additional comments.

Receipt

The samples were received on 12/20/2013 5:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.6° C and 2.9° C.

GC/MS VOA

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: GP-01B-131219 (500-69043-2), GP-02B-131219 (500-69043-4), GP-03B-131219 (500-69043-6), GP-05B-131219 (500-69043-8), GP-11B-131220 (500-69043-20), GP-11B-131220D (500-69043-21). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of non-target analytes: GP-04B-131220 (500-69043-27), GP-06B-131219 (500-69043-12), GP-06B-131219D (500-69043-13), GP-07A-131220 (500-69043-23), GP-07B-131220 (500-69043-24), GP-07B-131220D (500-69043-25), GP-08B-131219 (500-69043-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples submitted for volatiles analysis was received with insufficient preservation (pH >2): Trip Blank 121913 (500-69043-14), Trip Blank 122013 (500-69043-22).

Method(s) 8260B: Surrogate recovery for the following samples were outside control limits: GP-06B-131219 (500-69043-12), GP-08B-131219 (500-69043-10). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: GP-01B-131219 (500-69043-2), GP-02B-131219 (500-69043-4), GP-03B-131219 (500-69043-6), GP-05B-131219 (500-69043-8), GP-11B-131220 (500-69043-20). Evidence of matrix interference is present. Re-analysis was performed at a dilution for target compounds, with all surrogates meeting QC limits.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batches 218334 and 218482 were outside control limits. Sample matrix interference is suspected because the associated laboratory control samples (LCS) recovery were within acceptance limits.

Method(s) 8260B: The %RPD of the matrix spike (MS) and matrix spike duplicate (MSD) samples for preparation batches 218455 and 218482 recovered outside control limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the abundance of target and non-target analytes: GP-02B-131219 (500-69043-4), GP-05B-131219 (500-69043-8). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: 500-69043-4 had 2-Fluorobiphenyl at 122% (25%-119%). All other surrogate recoveries were within limits. No further action was required. GP-02B-131219 (500-69043-4)

Method(s) 8270D: Two matrix spike and one matrix spike duplicate (MS/MSD) recoveries for batch 218462 were outside control limits. There were 2 RPD's > 30%. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. GP-04A-131220 (500-69043-26 MS), GP-04A-131220 (500-69043-26 MSD)

Method(s) 8270D: Two matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 218463 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. GP-06A-131219 (500-69043-11 MS), GP-06A-131219 (500-69043-11 MSD)

No other analytical or quality issues were noted.

Case Narrative

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Job ID: 500-69043-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

GC VOA

Method(s) 8260B: The laboratory control sample (LCS) for batch 218642 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The matrix spike (MS) precision for sample 500-69043-11 was outside control limits for Pb. The associated laboratory control sample (LCS) precision met acceptance criteria, therefore the data has been reported. The %RPD for the MS/MSD was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-69043-26 were outside control limits for Pb. The associated laboratory control sample (LCS) recovery was within acceptance limits, therefore the data has been reported

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01A-131219

Lab Sample ID: 500-69043-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0049		0.0046	0.0020	mg/Kg	1	☼	8260B	Total/NA
Lead	6.2	B	0.48	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-01B-131219

Lab Sample ID: 500-69043-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	4.6		0.14	0.063	mg/Kg	500	☼	8260B	Total/NA
Ethylbenzene - DL	220		1.4	0.69	mg/Kg	5000	☼	8260B	Total/NA
Xylenes, Total - DL	890		2.8	0.38	mg/Kg	5000	☼	8260B	Total/NA
Acenaphthene	0.012	J	0.037	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.0089	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.0090	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
2,4-Dimethylphenol	0.19	J	0.37	0.14	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.021	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.038		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	1.5		0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.93		0.037	0.0057	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.10		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.034	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Lead	14	B	0.51	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-02A-131219

Lab Sample ID: 500-69043-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.021		0.0045	0.0019	mg/Kg	1	☼	8260B	Total/NA
Lead	3.6	B	0.49	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-02B-131219

Lab Sample ID: 500-69043-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	440		1.3	0.64	mg/Kg	5000	☼	8260B	Total/NA
Toluene	6.1		1.3	0.58	mg/Kg	5000	☼	8260B	Total/NA
Xylenes, Total - DL	1700		25	3.5	mg/Kg	50000	☼	8260B	Total/NA
Fluoranthene	0.063	J	0.17	0.032	mg/Kg	5	☼	8270D	Total/NA
Fluorene	0.12	J	0.17	0.025	mg/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	5.5		0.17	0.032	mg/Kg	5	☼	8270D	Total/NA
Naphthalene	5.3		0.17	0.027	mg/Kg	5	☼	8270D	Total/NA
Phenanthrene	0.24		0.17	0.024	mg/Kg	5	☼	8270D	Total/NA
Pyrene	0.10	J	0.17	0.035	mg/Kg	5	☼	8270D	Total/NA
Lead	7.4	B	0.52	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-03A-131219

Lab Sample ID: 500-69043-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011		0.0048	0.0021	mg/Kg	1	☼	8260B	Total/NA
Lead	4.1	B	0.56	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-03B-131219

Lab Sample ID: 500-69043-6

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03B-131219 (Continued)

Lab Sample ID: 500-69043-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.8		0.028	0.013	mg/Kg	100	✱	8260B	Total/NA
Ethylbenzene - DL	79		0.28	0.14	mg/Kg	1000	✱	8260B	Total/NA
Xylenes, Total - DL	210		0.56	0.076	mg/Kg	1000	✱	8260B	Total/NA
2,4-Dimethylphenol	0.40		0.37	0.14	mg/Kg	1	✱	8270D	Total/NA
Fluoranthene	0.0090	J	0.037	0.0069	mg/Kg	1	✱	8270D	Total/NA
Fluorene	0.020	J	0.037	0.0052	mg/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	1.8		0.037	0.0068	mg/Kg	1	✱	8270D	Total/NA
Naphthalene	1.6		0.037	0.0057	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.024	J	0.037	0.0052	mg/Kg	1	✱	8270D	Total/NA
Lead	6.2	B	0.51	0.15	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.0048	0.0021	mg/Kg	1	✱	8260B	Total/NA
Methyl Ethyl Ketone	0.0054		0.0048	0.0017	mg/Kg	1	✱	8260B	Total/NA
Lead	3.3	B	0.46	0.14	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-05B-131219

Lab Sample ID: 500-69043-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	5.8		0.012	0.0059	mg/Kg	50	✱	8260B	Total/NA
Toluene	0.13		0.012	0.0054	mg/Kg	50	✱	8260B	Total/NA
Xylenes, Total - DL	18		0.23	0.032	mg/Kg	500	✱	8260B	Total/NA
Di-n-octyl phthalate	0.63	J	0.91	0.30	mg/Kg	5	✱	8270D	Total/NA
Fluorene	0.15	J	0.18	0.025	mg/Kg	5	✱	8270D	Total/NA
2-Methylnaphthalene	5.8		0.18	0.033	mg/Kg	5	✱	8270D	Total/NA
Naphthalene	3.5		0.18	0.028	mg/Kg	5	✱	8270D	Total/NA
Phenanthrene	0.19		0.18	0.025	mg/Kg	5	✱	8270D	Total/NA
Pyrene	0.052	J	0.18	0.036	mg/Kg	5	✱	8270D	Total/NA
Lead	8.9	B	0.51	0.15	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-08A-131219

Lab Sample ID: 500-69043-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0069		0.0047	0.0020	mg/Kg	1	✱	8260B	Total/NA
Lead	2.5	B	0.47	0.14	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.4		0.012	0.0059	mg/Kg	50	✱	8260B	Total/NA
Toluene	0.027		0.012	0.0054	mg/Kg	50	✱	8260B	Total/NA
Xylenes, Total	4.1		0.024	0.0032	mg/Kg	50	✱	8260B	Total/NA
2-Methylnaphthalene	0.29		0.035	0.0064	mg/Kg	1	✱	8270D	Total/NA
Naphthalene	0.20		0.035	0.0054	mg/Kg	1	✱	8270D	Total/NA
Lead	5.8	B	0.47	0.14	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-06A-131219

Lab Sample ID: 500-69043-11

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06A-131219 (Continued)

Lab Sample ID: 500-69043-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.028		0.0053	0.0023	mg/Kg	1	☼	8260B	Total/NA
Methyl Ethyl Ketone	0.0072		0.0053	0.0019	mg/Kg	1	☼	8260B	Total/NA
Toluene	0.0030	J	0.0053	0.00075	mg/Kg	1	☼	8260B	Total/NA
Lead	2.6	B	0.46	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-06B-131219

Lab Sample ID: 500-69043-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.90		0.13	0.067	mg/Kg	500	☼	8260B	Total/NA
Toluene	0.17		0.13	0.061	mg/Kg	500	☼	8260B	Total/NA
Xylenes, Total	1.5		0.27	0.037	mg/Kg	500	☼	8260B	Total/NA
Acenaphthene	0.032	J	0.036	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.028	J	0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.015	J	0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.021	J	0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.013	J	0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.018	J	0.036	0.0099	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.12		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.059		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	2.2		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.099		0.036	0.0056	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.19		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.088		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Lead	4.0	B	0.50	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-06B-131219D

Lab Sample ID: 500-69043-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.24		0.13	0.064	mg/Kg	500	☼	8260B	Total/NA
Xylenes, Total	0.44		0.25	0.035	mg/Kg	500	☼	8260B	Total/NA
Benzo[a]anthracene	0.012	J	0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.0088	J	0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.0097	J	0.035	0.0077	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.26		0.18	0.065	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.040		0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.51		0.035	0.0065	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0085	J	0.035	0.0055	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.035		0.035	0.0049	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.033	J	0.035	0.0070	mg/Kg	1	☼	8270D	Total/NA
Lead	4.7	B	0.49	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: Trip Blank 121913

Lab Sample ID: 500-69043-14

No Detections.

Client Sample ID: GP-09A-131220

Lab Sample ID: 500-69043-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.12	J	0.18	0.059	mg/Kg	1	☼	8270D	Total/NA
Lead	5.1	B	0.49	0.15	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09B-131220

Lab Sample ID: 500-69043-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.073	J	0.18	0.059	mg/Kg	1	☼	8270D	Total/NA
Lead	3.5	B	0.52	0.16	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-10A-131220

Lab Sample ID: 500-69043-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0076		0.0051	0.0022	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.012	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.019	J	0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.018	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.027	J	0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.035	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.032	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.023	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Lead	18	B	0.60	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-10B-131220

Lab Sample ID: 500-69043-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.019		0.0057	0.0025	mg/Kg	1	☼	8260B	Total/NA
Methyl Ethyl Ketone	0.0056	J	0.0057	0.0021	mg/Kg	1	☼	8260B	Total/NA
Toluene	0.0037	J	0.0057	0.00080	mg/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.063	J	0.17	0.062	mg/Kg	1	☼	8270D	Total/NA
Lead	2.0	B	0.53	0.16	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-11A-131220

Lab Sample ID: 500-69043-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.012		0.0052	0.0022	mg/Kg	1	☼	8260B	Total/NA
Toluene	0.0033	J	0.0052	0.00073	mg/Kg	1	☼	8260B	Total/NA
Lead	2.3	B	0.48	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-11B-131220

Lab Sample ID: 500-69043-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene - DL	160		1.4	0.72	mg/Kg	5000	☼	8260B	Total/NA
Toluene - DL	39		1.4	0.66	mg/Kg	5000	☼	8260B	Total/NA
Xylenes, Total - DL	940		2.9	0.39	mg/Kg	5000	☼	8260B	Total/NA
Naphthalene	2.2		0.036	0.0056	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.041		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0081	J	0.036	0.0073	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene - DL	4.1		0.18	0.034	mg/Kg	5	☼	8270D	Total/NA
Lead	4.0	B	0.49	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-11B-131220D

Lab Sample ID: 500-69043-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	65		0.14	0.072	mg/Kg	500	☼	8260B	Total/NA
Toluene	4.2		0.14	0.066	mg/Kg	500	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220D (Continued)

Lab Sample ID: 500-69043-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total - DL	310		2.9	0.39	mg/Kg	5000	✱	8260B	Total/NA
Acenaphthene	0.026	J	0.036	0.0064	mg/Kg	1	✱	8270D	Total/NA
Fluoranthene	0.019	J	0.036	0.0066	mg/Kg	1	✱	8270D	Total/NA
Fluorene	0.049		0.036	0.0050	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.23		0.036	0.0050	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.025	J	0.036	0.0071	mg/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene - DL	20		0.71	0.13	mg/Kg	20	✱	8270D	Total/NA
Naphthalene - DL	16		0.71	0.11	mg/Kg	20	✱	8270D	Total/NA
Lead	7.6	B	0.51	0.15	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: Trip Blank 122013

Lab Sample ID: 500-69043-22

No Detections.

Client Sample ID: GP-07A-131220

Lab Sample ID: 500-69043-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.029	J	0.039	0.0073	mg/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	0.48		0.039	0.0073	mg/Kg	1	✱	8270D	Total/NA
Naphthalene	0.31		0.039	0.0061	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.074		0.039	0.0055	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.018	J	0.039	0.0079	mg/Kg	1	✱	8270D	Total/NA
Lead	10	B	0.58	0.17	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	8.4		1.5	0.76	mg/Kg	5000	✱	8260B	Total/NA
Xylenes, Total	9.2		3.0	0.41	mg/Kg	5000	✱	8260B	Total/NA
Fluoranthene	0.013	J	0.039	0.0073	mg/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	1.7		0.039	0.0072	mg/Kg	1	✱	8270D	Total/NA
Naphthalene	0.55		0.039	0.0060	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.045		0.039	0.0055	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.0091	J	0.039	0.0078	mg/Kg	1	✱	8270D	Total/NA
Lead	11	B	0.62	0.18	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-07B-131220D

Lab Sample ID: 500-69043-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	3.7		0.012	0.0062	mg/Kg	50	✱	8260B	Total/NA
Toluene	0.016		0.012	0.0057	mg/Kg	50	✱	8260B	Total/NA
Xylenes, Total	5.3		0.025	0.0034	mg/Kg	50	✱	8260B	Total/NA
Fluoranthene	0.019	J	0.036	0.0066	mg/Kg	1	✱	8270D	Total/NA
2-Methylnaphthalene	1.1		0.036	0.0066	mg/Kg	1	✱	8270D	Total/NA
Naphthalene	0.57		0.036	0.0055	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.040		0.036	0.0050	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.011	J	0.036	0.0071	mg/Kg	1	✱	8270D	Total/NA
Lead	8.5	B	0.55	0.17	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: GP-04A-131220

Lab Sample ID: 500-69043-26

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04A-131220 (Continued)

Lab Sample ID: 500-69043-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.028		0.0051	0.0010	mg/Kg	1	☼	8260B	Total/NA
Toluene	0.0043	J	0.0051	0.00071	mg/Kg	1	☼	8260B	Total/NA
Xylenes, Total	0.067		0.010	0.00046	mg/Kg	1	☼	8260B	Total/NA
Phenanthrene	0.0082	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Lead	7.9	B	0.49	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-04B-131220

Lab Sample ID: 500-69043-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	51		1.4	0.72	mg/Kg	5000	☼	8260B	Total/NA
Xylenes, Total	130		2.8	0.39	mg/Kg	5000	☼	8260B	Total/NA
Acenaphthene	0.061		0.035	0.0064	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.050		0.035	0.0059	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.014	J	0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.0070	J	0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.0088	J	0.035	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.012	J	0.035	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.0097	J	0.035	0.0097	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.053		0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.10		0.035	0.0050	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	1.6		0.035	0.0055	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.25		0.035	0.0049	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.068		0.035	0.0070	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene - DL	5.2		0.18	0.033	mg/Kg	5	☼	8270D	Total/NA
Lead	8.1	B	0.56	0.17	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-69043-1	GP-01A-131219	Solid	12/19/13 09:30	12/20/13 17:15
500-69043-2	GP-01B-131219	Solid	12/19/13 09:45	12/20/13 17:15
500-69043-3	GP-02A-131219	Solid	12/19/13 10:30	12/20/13 17:15
500-69043-4	GP-02B-131219	Solid	12/19/13 10:45	12/20/13 17:15
500-69043-5	GP-03A-131219	Solid	12/19/13 11:30	12/20/13 17:15
500-69043-6	GP-03B-131219	Solid	12/19/13 11:45	12/20/13 17:15
500-69043-7	GP-05A-131219	Solid	12/19/13 13:30	12/20/13 17:15
500-69043-8	GP-05B-131219	Solid	12/19/13 13:45	12/20/13 17:15
500-69043-9	GP-08A-131219	Solid	12/19/13 15:45	12/20/13 17:15
500-69043-10	GP-08B-131219	Solid	12/19/13 16:00	12/20/13 17:15
500-69043-11	GP-06A-131219	Solid	12/19/13 14:45	12/20/13 17:15
500-69043-12	GP-06B-131219	Solid	12/19/13 14:50	12/20/13 17:15
500-69043-13	GP-06B-131219D	Solid	12/19/13 14:55	12/20/13 17:15
500-69043-14	Trip Blank 121913	Water	12/19/13 00:00	12/20/13 17:15
500-69043-15	GP-09A-131220	Solid	12/20/13 08:45	12/20/13 17:15
500-69043-16	GP-09B-131220	Solid	12/20/13 08:55	12/20/13 17:15
500-69043-17	GP-10A-131220	Solid	12/20/13 09:45	12/20/13 17:15
500-69043-18	GP-10B-131220	Solid	12/20/13 10:00	12/20/13 17:15
500-69043-19	GP-11A-131220	Solid	12/20/13 11:20	12/20/13 17:15
500-69043-20	GP-11B-131220	Solid	12/20/13 11:30	12/20/13 17:15
500-69043-21	GP-11B-131220D	Solid	12/20/13 11:45	12/20/13 17:15
500-69043-22	Trip Blank 122013	Water	12/20/13 00:00	12/20/13 17:15
500-69043-23	GP-07A-131220	Solid	12/20/13 13:30	12/20/13 17:15
500-69043-24	GP-07B-131220	Solid	12/20/13 13:45	12/20/13 17:15
500-69043-25	GP-07B-131220D	Solid	12/20/13 13:55	12/20/13 17:15
500-69043-26	GP-04A-131220	Solid	12/20/13 14:25	12/20/13 17:15
500-69043-27	GP-04B-131220	Solid	12/20/13 14:35	12/20/13 17:15

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01A-131219

Lab Sample ID: 500-69043-1

Date Collected: 12/19/13 09:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0049		0.0046	0.0020	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Benzene	<0.0046		0.0046	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Bromodichloromethane	<0.0046		0.0046	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Bromoform	<0.0046		0.0046	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Bromomethane	<0.0046		0.0046	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Carbon disulfide	<0.0046		0.0046	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Carbon tetrachloride	<0.0046		0.0046	0.00083	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Chlorobenzene	<0.0046		0.0046	0.00046	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Chloroethane	<0.0046		0.0046	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Chloroform	<0.0046		0.0046	0.00053	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Chloromethane	<0.0046		0.0046	0.00096	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.00060	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Dibromochloromethane	<0.0046		0.0046	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,1-Dichloroethane	<0.0046		0.0046	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,1,1-Dichloroethene	<0.0046		0.0046	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,2-Dichloropropane	<0.0046		0.0046	0.00069	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.00060	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Ethylbenzene	<0.0046		0.0046	0.00092	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
2-Hexanone	<0.0046		0.0046	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Methylene Chloride	<0.0046		0.0046	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0017	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
methyl isobutyl ketone	<0.0046		0.0046	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Methyl tert-butyl ether	<0.0046		0.0046	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Styrene	<0.0046		0.0046	0.00060	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00092	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Tetrachloroethene	<0.0046		0.0046	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Toluene	<0.0046		0.0046	0.00064	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00062	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Trichloroethene	<0.0046		0.0046	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Vinyl chloride	<0.0046		0.0046	0.00096	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1
Xylenes, Total	<0.0092		0.0092	0.00041	mg/Kg	☼	12/21/13 06:55	12/31/13 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	12/21/13 06:55	12/31/13 17:53	1
Dibromofluoromethane	100		75 - 120	12/21/13 06:55	12/31/13 17:53	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	12/21/13 06:55	12/31/13 17:53	1
Toluene-d8 (Surr)	95		75 - 122	12/21/13 06:55	12/31/13 17:53	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Benzo[a]anthracene	<0.035		0.035	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Benzo[a]pyrene	<0.035		0.035	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01A-131219

Lab Sample ID: 500-69043-1

Date Collected: 12/19/13 09:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.035		0.035	0.0077	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Chrysene	<0.035		0.035	0.0097	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0069	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.29	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Fluoranthene	<0.035		0.035	0.0066	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Hexachlorobenzene	<0.072		0.072	0.0082	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Hexachlorocyclopentadiene	<0.72		0.72	0.20	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Methylnaphthalene	<0.035		0.035	0.0065	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
Nitrobenzene	<0.035		0.035	0.0089	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☆	01/02/14 07:08	01/03/14 13:43	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01A-131219

Lab Sample ID: 500-69043-1

Date Collected: 12/19/13 09:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
Pyrene	<0.035		0.035	0.0071	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	01/02/14 07:08	01/03/14 13:43	1
2-Fluorophenol	77		25 - 110	01/02/14 07:08	01/03/14 13:43	1
Nitrobenzene-d5	70		25 - 115	01/02/14 07:08	01/03/14 13:43	1
Phenol-d5	83		31 - 110	01/02/14 07:08	01/03/14 13:43	1
Terphenyl-d14	87		36 - 134	01/02/14 07:08	01/03/14 13:43	1
2,4,6-Tribromophenol	84		35 - 137	01/02/14 07:08	01/03/14 13:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2	B	0.48	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 02:10	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01B-131219

Lab Sample ID: 500-69043-2

Date Collected: 12/19/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.8		2.8	0.72	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Benzene	<0.14		0.14	0.041	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Bromodichloromethane	<1.1		1.1	0.19	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Bromoform	<1.1		1.1	0.24	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Bromomethane	<1.1		1.1	0.38	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Carbon disulfide	<2.8		2.8	0.23	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Carbon tetrachloride	<0.55		0.55	0.14	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Chlorobenzene	<0.55		0.55	0.079	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Chloroethane	<1.1		1.1	0.24	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Chloroform	<0.55		0.55	0.11	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Chloromethane	<1.1		1.1	0.25	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
cis-1,2-Dichloroethene	<0.55		0.55	0.068	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
cis-1,3-Dichloropropene	<0.55		0.55	0.098	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Dibromochloromethane	<1.1		1.1	0.19	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,1-Dichloroethane	<0.55		0.55	0.10	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,2-Dichloroethane	<0.55		0.55	0.16	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,1-Dichloroethene	<0.55		0.55	0.17	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,2-Dichloropropane	<0.55		0.55	0.11	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,3-Dichloropropene, Total	<0.55		0.55	0.098	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
2-Hexanone	<2.8		2.8	0.31	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Methylene Chloride	<2.8		2.8	0.38	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Methyl Ethyl Ketone	<2.8		2.8	0.81	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
methyl isobutyl ketone	<2.8		2.8	0.18	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Methyl tert-butyl ether	<1.1		1.1	0.24	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Styrene	<0.55		0.55	0.054	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,1,2,2-Tetrachloroethane	<0.55		0.55	0.13	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Tetrachloroethene	<0.55		0.55	0.092	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Toluene	4.6		0.14	0.063	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
trans-1,2-Dichloroethene	<0.55		0.55	0.14	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
trans-1,3-Dichloropropene	<0.55		0.55	0.11	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,1,1-Trichloroethane	<0.55		0.55	0.11	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
1,1,2-Trichloroethane	<0.55		0.55	0.15	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Trichloroethene	<0.28		0.28	0.10	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500
Vinyl chloride	<0.14		0.14	0.057	mg/Kg	☆	12/19/13 09:45	01/01/14 19:27	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 120	12/19/13 09:45	01/01/14 19:27	500
Dibromofluoromethane	91		75 - 120	12/19/13 09:45	01/01/14 19:27	500
1,2-Dichloroethane-d4 (Surr)	186	X	75 - 125	12/19/13 09:45	01/01/14 19:27	500
Toluene-d8 (Surr)	105		75 - 120	12/19/13 09:45	01/01/14 19:27	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	220		1.4	0.69	mg/Kg	☆	12/19/13 09:45	01/01/14 19:54	5000
Xylenes, Total	890		2.8	0.38	mg/Kg	☆	12/19/13 09:45	01/01/14 19:54	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 120	12/19/13 09:45	01/01/14 19:54	5000
Dibromofluoromethane	95		75 - 120	12/19/13 09:45	01/01/14 19:54	5000
1,2-Dichloroethane-d4 (Surr)	115		75 - 125	12/19/13 09:45	01/01/14 19:54	5000

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01B-131219

Lab Sample ID: 500-69043-2

Date Collected: 12/19/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		75 - 120	12/19/13 09:45	01/01/14 19:54	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.012	J	0.037	0.0067	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Benzo[a]anthracene	0.0089	J	0.037	0.0050	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Benzo[a]pyrene	0.0090	J	0.037	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4-Dimethylphenol	0.19	J	0.37	0.14	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4,6-Dinitro-2-methylphenol	<0.37		0.37	0.30	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Fluoranthene	0.021	J	0.037	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Fluorene	0.038		0.037	0.0052	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2-Methylnaphthalene	1.5		0.037	0.0068	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01B-131219

Lab Sample ID: 500-69043-2

Date Collected: 12/19/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Naphthalene	0.93		0.037	0.0057	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Phenanthrene	0.10		0.037	0.0052	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
Pyrene	0.034 J		0.037	0.0074	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	01/02/14 07:08	01/03/14 14:02	1
2-Fluorophenol	56		25 - 110	01/02/14 07:08	01/03/14 14:02	1
Nitrobenzene-d5	69		25 - 115	01/02/14 07:08	01/03/14 14:02	1
Phenol-d5	61		31 - 110	01/02/14 07:08	01/03/14 14:02	1
Terphenyl-d14	69		36 - 134	01/02/14 07:08	01/03/14 14:02	1
2,4,6-Tribromophenol	97		35 - 137	01/02/14 07:08	01/03/14 14:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14	B	0.51	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 02:16	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02A-131219

Lab Sample ID: 500-69043-3

Date Collected: 12/19/13 10:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.021		0.0045	0.0019	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Benzene	<0.0045		0.0045	0.00061	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Bromodichloromethane	<0.0045		0.0045	0.00077	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Bromoform	<0.0045		0.0045	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Bromomethane	<0.0045		0.0045	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Carbon disulfide	<0.0045		0.0045	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Carbon tetrachloride	<0.0045		0.0045	0.00081	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Chlorobenzene	<0.0045		0.0045	0.00045	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Chloroethane	<0.0045		0.0045	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Chloroform	<0.0045		0.0045	0.00051	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Chloromethane	<0.0045		0.0045	0.00094	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.00059	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Dibromochloromethane	<0.0045		0.0045	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,1-Dichloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,1,1-Dichloroethene	<0.0045		0.0045	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,2-Dichloropropane	<0.0045		0.0045	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,3-Dichloropropene, Total	<0.0045		0.0045	0.00059	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Ethylbenzene	<0.0045		0.0045	0.00090	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
2-Hexanone	<0.0045		0.0045	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Methylene Chloride	<0.0045		0.0045	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0016	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
methyl isobutyl ketone	<0.0045		0.0045	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Methyl tert-butyl ether	<0.0045		0.0045	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Styrene	<0.0045		0.0045	0.00059	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00090	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Tetrachloroethene	<0.0045		0.0045	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Toluene	<0.0045		0.0045	0.00062	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.00061	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00061	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Trichloroethene	<0.0045		0.0045	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Vinyl chloride	<0.0045		0.0045	0.00094	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1
Xylenes, Total	<0.0089		0.0089	0.00040	mg/Kg	☼	12/21/13 06:55	12/31/13 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	12/21/13 06:55	12/31/13 18:16	1
Dibromofluoromethane	101		75 - 120	12/21/13 06:55	12/31/13 18:16	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	12/21/13 06:55	12/31/13 18:16	1
Toluene-d8 (Surr)	96		75 - 122	12/21/13 06:55	12/31/13 18:16	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02A-131219

Lab Sample ID: 500-69043-3

Date Collected: 12/19/13 10:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Carbazole	<0.18		0.18	0.093	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Methylnaphthalene	<0.036		0.036	0.0066	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☆	01/02/14 07:08	01/03/14 14:20	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02A-131219

Lab Sample ID: 500-69043-3

Date Collected: 12/19/13 10:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	01/02/14 07:08	01/03/14 14:20	1
2-Fluorophenol	74		25 - 110	01/02/14 07:08	01/03/14 14:20	1
Nitrobenzene-d5	77		25 - 115	01/02/14 07:08	01/03/14 14:20	1
Phenol-d5	83		31 - 110	01/02/14 07:08	01/03/14 14:20	1
Terphenyl-d14	87		36 - 134	01/02/14 07:08	01/03/14 14:20	1
2,4,6-Tribromophenol	102		35 - 137	01/02/14 07:08	01/03/14 14:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6	B	0.49	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 02:22	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02B-131219

Lab Sample ID: 500-69043-4

Date Collected: 12/19/13 10:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	6.6	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Benzene	<1.3		1.3	0.38	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Bromodichloromethane	<10		10	1.7	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Bromoform	<10		10	2.2	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Bromomethane	<10		10	3.5	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Carbon disulfide	<25		25	2.2	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Carbon tetrachloride	<5.1		5.1	1.3	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Chlorobenzene	<5.1		5.1	0.73	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Chloroethane	<10		10	2.2	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Chloroform	<5.1		5.1	1.0	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Chloromethane	<10		10	2.3	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
cis-1,2-Dichloroethene	<5.1		5.1	0.62	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
cis-1,3-Dichloropropene	<5.1		5.1	0.90	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Dibromochloromethane	<10		10	1.8	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,1-Dichloroethane	<5.1		5.1	0.94	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,2-Dichloroethane	<5.1		5.1	1.4	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,1-Dichloroethene	<5.1		5.1	1.6	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,2-Dichloropropane	<5.1		5.1	0.99	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,3-Dichloropropene, Total	<5.1		5.1	0.90	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Ethylbenzene	440		1.3	0.64	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
2-Hexanone	<25		25	2.9	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Methylene Chloride	<25		25	3.5	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Methyl Ethyl Ketone	<25		25	7.5	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
methyl isobutyl ketone	<25		25	1.7	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Methyl tert-butyl ether	<10		10	2.2	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Styrene	<5.1		5.1	0.50	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,1,2,2-Tetrachloroethane	<5.1		5.1	1.2	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Tetrachloroethene	<5.1		5.1	0.85	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Toluene	6.1		1.3	0.58	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
trans-1,2-Dichloroethene	<5.1		5.1	1.3	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
trans-1,3-Dichloropropene	<5.1		5.1	1.1	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,1,1-Trichloroethane	<5.1		5.1	1.0	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
1,1,2-Trichloroethane	<5.1		5.1	1.4	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Trichloroethene	<2.5		2.5	0.94	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000
Vinyl chloride	<1.3		1.3	0.53	mg/Kg	☼	12/19/13 10:45	01/01/14 20:21	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120	12/19/13 10:45	01/01/14 20:21	5000
Dibromofluoromethane	94		75 - 120	12/19/13 10:45	01/01/14 20:21	5000
1,2-Dichloroethane-d4 (Surr)	131	X	75 - 125	12/19/13 10:45	01/01/14 20:21	5000
Toluene-d8 (Surr)	104		75 - 120	12/19/13 10:45	01/01/14 20:21	5000

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1700		25	3.5	mg/Kg	☼	12/19/13 10:45	01/01/14 20:49	50000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 120	12/19/13 10:45	01/01/14 20:49	50000
Dibromofluoromethane	93		75 - 120	12/19/13 10:45	01/01/14 20:49	50000
1,2-Dichloroethane-d4 (Surr)	108		75 - 125	12/19/13 10:45	01/01/14 20:49	50000

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02B-131219

Lab Sample ID: 500-69043-4

Date Collected: 12/19/13 10:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		75 - 120	12/19/13 10:45	01/01/14 20:49	50000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.17		0.17	0.031	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Acenaphthylene	<0.17		0.17	0.023	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Anthracene	<0.17		0.17	0.029	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Benzo[a]anthracene	<0.17		0.17	0.023	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Benzo[a]pyrene	<0.17		0.17	0.034	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Benzo[b]fluoranthene	<0.17		0.17	0.038	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Benzo[g,h,i]perylene	<0.17		0.17	0.056	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Benzo[k]fluoranthene	<0.17		0.17	0.051	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Bis(2-chloroethoxy)methane	<0.88		0.88	0.18	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Bis(2-chloroethyl)ether	<0.88		0.88	0.26	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Bis(2-ethylhexyl) phthalate	<0.88		0.88	0.32	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Bromophenyl phenyl ether	<0.88		0.88	0.23	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Butyl benzyl phthalate	<0.88		0.88	0.33	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Carbazole	<0.88		0.88	0.45	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Chloroaniline	<3.5		3.5	0.82	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Chloro-3-methylphenol	<1.7		1.7	0.59	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2-Chloronaphthalene	<0.88		0.88	0.19	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2-Chlorophenol	<0.88		0.88	0.30	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Chlorophenyl phenyl ether	<0.88		0.88	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Chrysene	<0.17		0.17	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Dibenz(a,h)anthracene	<0.17		0.17	0.034	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Dibenzofuran	<0.88		0.88	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
1,2-Dichlorobenzene	<0.88		0.88	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
1,3-Dichlorobenzene	<0.88		0.88	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
1,4-Dichlorobenzene	<0.88		0.88	0.22	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
3,3'-Dichlorobenzidine	<0.88		0.88	0.24	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4-Dichlorophenol	<1.7		1.7	0.41	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Diethyl phthalate	<0.88		0.88	0.30	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4-Dimethylphenol	<1.7		1.7	0.66	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Dimethyl phthalate	<0.88		0.88	0.23	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Di-n-butyl phthalate	<0.88		0.88	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4,6-Dinitro-2-methylphenol	<1.7		1.7	1.4	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4-Dinitrophenol	<3.5		3.5	3.1	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4-Dinitrotoluene	<0.88		0.88	0.28	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,6-Dinitrotoluene	<0.88		0.88	0.34	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Di-n-octyl phthalate	<0.88		0.88	0.28	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Fluoranthene	0.063 J		0.17	0.032	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Fluorene	0.12 J		0.17	0.025	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Hexachlorobenzene	<0.35		0.35	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Hexachlorobutadiene	<0.88		0.88	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Hexachlorocyclopentadiene	<3.5		3.5	1.0	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Hexachloroethane	<0.88		0.88	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Indeno[1,2,3-cd]pyrene	<0.17		0.17	0.045	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Isophorone	<0.88		0.88	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2-Methylnaphthalene	5.5		0.17	0.032	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02B-131219

Lab Sample ID: 500-69043-4

Date Collected: 12/19/13 10:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.88		0.88	0.28	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
3 & 4 Methylphenol	<0.88		0.88	0.29	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Naphthalene	5.3		0.17	0.027	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2-Nitroaniline	<0.88		0.88	0.23	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
3-Nitroaniline	<1.7		1.7	0.54	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Nitroaniline	<1.7		1.7	0.73	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Nitrobenzene	<0.17		0.17	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2-Nitrophenol	<1.7		1.7	0.41	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
4-Nitrophenol	<3.5		3.5	1.7	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
N-Nitrosodi-n-propylamine	<0.88		0.88	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
N-Nitrosodiphenylamine	<0.88		0.88	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,2'-oxybis[1-chloropropane]	<0.88		0.88	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Pentachlorophenol	<3.5		3.5	2.8	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Phenanthrene	0.24		0.17	0.024	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Phenol	<0.88		0.88	0.39	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
Pyrene	0.10	J	0.17	0.035	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
1,2,4-Trichlorobenzene	<0.88		0.88	0.19	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4,5-Trichlorophenol	<1.7		1.7	0.40	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5
2,4,6-Trichlorophenol	<1.7		1.7	0.60	mg/Kg	☼	01/02/14 07:08	01/08/14 10:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	122	X	25 - 119	01/02/14 07:08	01/08/14 10:57	5
2-Fluorophenol	96		25 - 110	01/02/14 07:08	01/08/14 10:57	5
Nitrobenzene-d5	98		25 - 115	01/02/14 07:08	01/08/14 10:57	5
Phenol-d5	100		31 - 110	01/02/14 07:08	01/08/14 10:57	5
Terphenyl-d14	104		36 - 134	01/02/14 07:08	01/08/14 10:57	5
2,4,6-Tribromophenol	121		35 - 137	01/02/14 07:08	01/08/14 10:57	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.4	B	0.52	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 02:29	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03A-131219

Lab Sample ID: 500-69043-5

Date Collected: 12/19/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011		0.0048	0.0021	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Benzene	<0.0048		0.0048	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Bromodichloromethane	<0.0048		0.0048	0.00083	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Bromoform	<0.0048		0.0048	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Bromomethane	<0.0048		0.0048	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Carbon disulfide	<0.0048		0.0048	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Carbon tetrachloride	<0.0048		0.0048	0.00087	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Chlorobenzene	<0.0048		0.0048	0.00049	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Chloroethane	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Chloroform	<0.0048		0.0048	0.00055	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Chloromethane	<0.0048		0.0048	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Dibromochloromethane	<0.0048		0.0048	0.00084	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,1-Dichloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,1-Dichloroethene	<0.0048		0.0048	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,2-Dichloropropane	<0.0048		0.0048	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Ethylbenzene	<0.0048		0.0048	0.00097	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
2-Hexanone	<0.0048		0.0048	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Methylene Chloride	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0017	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
methyl isobutyl ketone	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Methyl tert-butyl ether	<0.0048		0.0048	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Styrene	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00097	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Tetrachloroethene	<0.0048		0.0048	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Toluene	<0.0048		0.0048	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Trichloroethene	<0.0048		0.0048	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Vinyl chloride	<0.0048		0.0048	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1
Xylenes, Total	<0.0096		0.0096	0.00043	mg/Kg	☼	12/21/13 06:55	12/31/13 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	12/21/13 06:55	12/31/13 18:38	1
Dibromofluoromethane	104		75 - 120	12/21/13 06:55	12/31/13 18:38	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	12/21/13 06:55	12/31/13 18:38	1
Toluene-d8 (Surr)	97		75 - 122	12/21/13 06:55	12/31/13 18:38	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03A-131219

Lab Sample ID: 500-69043-5

Date Collected: 12/19/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Carbazole	<0.18		0.18	0.095	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☆	01/02/14 07:08	01/03/14 17:33	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03A-131219

Lab Sample ID: 500-69043-5

Date Collected: 12/19/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	01/02/14 07:08	01/03/14 17:33	1
2-Fluorophenol	73		25 - 110	01/02/14 07:08	01/03/14 17:33	1
Nitrobenzene-d5	79		25 - 115	01/02/14 07:08	01/03/14 17:33	1
Phenol-d5	85		31 - 110	01/02/14 07:08	01/03/14 17:33	1
Terphenyl-d14	87		36 - 134	01/02/14 07:08	01/03/14 17:33	1
2,4,6-Tribromophenol	106		35 - 137	01/02/14 07:08	01/03/14 17:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1	B	0.56	0.17	mg/Kg	☼	12/31/13 09:30	01/01/14 02:35	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03B-131219

Lab Sample ID: 500-69043-6

Date Collected: 12/19/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.56		0.56	0.14	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Benzene	<0.028		0.028	0.0082	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Bromodichloromethane	<0.22		0.22	0.038	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Bromoform	<0.22		0.22	0.049	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Bromomethane	<0.22		0.22	0.076	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Carbon disulfide	<0.56		0.56	0.047	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Carbon tetrachloride	<0.11		0.11	0.029	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Chlorobenzene	<0.11		0.11	0.016	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Chloroethane	<0.22		0.22	0.048	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Chloroform	<0.11		0.11	0.023	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Chloromethane	<0.22		0.22	0.051	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
cis-1,2-Dichloroethene	<0.11		0.11	0.014	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
cis-1,3-Dichloropropene	<0.11		0.11	0.020	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Dibromochloromethane	<0.22		0.22	0.038	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,1-Dichloroethane	<0.11		0.11	0.021	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,2-Dichloroethane	<0.11		0.11	0.032	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,1-Dichloroethene	<0.11		0.11	0.034	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,2-Dichloropropane	<0.11		0.11	0.022	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,3-Dichloropropene, Total	<0.11		0.11	0.020	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
2-Hexanone	<0.56		0.56	0.062	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Methylene Chloride	<0.56		0.56	0.076	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Methyl Ethyl Ketone	<0.56		0.56	0.16	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
methyl isobutyl ketone	<0.56		0.56	0.037	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Methyl tert-butyl ether	<0.22		0.22	0.048	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Styrene	<0.11		0.11	0.011	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,1,2,2-Tetrachloroethane	<0.11		0.11	0.026	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Tetrachloroethene	<0.11		0.11	0.019	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Toluene	1.8		0.028	0.013	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
trans-1,2-Dichloroethene	<0.11		0.11	0.028	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
trans-1,3-Dichloropropene	<0.11		0.11	0.023	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,1,1-Trichloroethane	<0.11		0.11	0.022	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
1,1,2-Trichloroethane	<0.11		0.11	0.031	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Trichloroethene	<0.056		0.056	0.021	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100
Vinyl chloride	<0.028		0.028	0.012	mg/Kg	☼	12/19/13 11:45	01/01/14 21:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 120	12/19/13 11:45	01/01/14 21:16	100
Dibromofluoromethane	89		75 - 120	12/19/13 11:45	01/01/14 21:16	100
1,2-Dichloroethane-d4 (Surr)	133	X	75 - 125	12/19/13 11:45	01/01/14 21:16	100
Toluene-d8 (Surr)	102		75 - 120	12/19/13 11:45	01/01/14 21:16	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	79		0.28	0.14	mg/Kg	☼	12/19/13 11:45	01/01/14 21:43	1000
Xylenes, Total	210		0.56	0.076	mg/Kg	☼	12/19/13 11:45	01/01/14 21:43	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120	12/19/13 11:45	01/01/14 21:43	1000
Dibromofluoromethane	96		75 - 120	12/19/13 11:45	01/01/14 21:43	1000
1,2-Dichloroethane-d4 (Surr)	109		75 - 125	12/19/13 11:45	01/01/14 21:43	1000

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03B-131219

Lab Sample ID: 500-69043-6

Date Collected: 12/19/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		75 - 120	12/19/13 11:45	01/01/14 21:43	1000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4-Dimethylphenol	0.40		0.37	0.14	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4,6-Dinitro-2-methylphenol	<0.37		0.37	0.30	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Fluoranthene	0.0090	J	0.037	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Fluorene	0.020	J	0.037	0.0052	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2-Methylnaphthalene	1.8		0.037	0.0068	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-03B-131219

Lab Sample ID: 500-69043-6

Date Collected: 12/19/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Naphthalene	1.6		0.037	0.0057	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Phenanthrene	0.024	J	0.037	0.0052	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		25 - 119	01/02/14 07:08	01/03/14 17:52	1
2-Fluorophenol	56		25 - 110	01/02/14 07:08	01/03/14 17:52	1
Nitrobenzene-d5	64		25 - 115	01/02/14 07:08	01/03/14 17:52	1
Phenol-d5	66		31 - 110	01/02/14 07:08	01/03/14 17:52	1
Terphenyl-d14	69		36 - 134	01/02/14 07:08	01/03/14 17:52	1
2,4,6-Tribromophenol	110		35 - 137	01/02/14 07:08	01/03/14 17:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2	B	0.51	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 02:41	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Date Collected: 12/19/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.0048	0.0021	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Benzene	<0.0048		0.0048	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Bromodichloromethane	<0.0048		0.0048	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Bromoform	<0.0048		0.0048	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Bromomethane	<0.0048		0.0048	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Carbon disulfide	<0.0048		0.0048	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Carbon tetrachloride	<0.0048		0.0048	0.00087	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Chlorobenzene	<0.0048		0.0048	0.00049	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Chloroethane	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Chloroform	<0.0048		0.0048	0.00055	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Chloromethane	<0.0048		0.0048	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Dibromochloromethane	<0.0048		0.0048	0.00083	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,1-Dichloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,1-Dichloroethene	<0.0048		0.0048	0.00077	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,2-Dichloropropane	<0.0048		0.0048	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Ethylbenzene	<0.0048		0.0048	0.00097	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
2-Hexanone	<0.0048		0.0048	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Methylene Chloride	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Methyl Ethyl Ketone	0.0054		0.0048	0.0017	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
methyl isobutyl ketone	<0.0048		0.0048	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Methyl tert-butyl ether	<0.0048		0.0048	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Styrene	<0.0048		0.0048	0.00063	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00097	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Tetrachloroethene	<0.0048		0.0048	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Toluene	<0.0048		0.0048	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Trichloroethene	<0.0048		0.0048	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Vinyl chloride	<0.0048		0.0048	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1
Xylenes, Total	<0.0096		0.0096	0.00043	mg/Kg	☼	12/21/13 06:55	12/31/13 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	12/21/13 06:55	12/31/13 19:01	1
Dibromofluoromethane	102		75 - 120	12/21/13 06:55	12/31/13 19:01	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	12/21/13 06:55	12/31/13 19:01	1
Toluene-d8 (Surr)	98		75 - 122	12/21/13 06:55	12/31/13 19:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Benzo[a]anthracene	<0.035		0.035	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Date Collected: 12/19/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.064	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Chrysene	<0.035		0.035	0.0096	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.049	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2,4-Dichlorophenol	<0.35		0.35	0.083	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.28	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Di-n-octyl phthalate	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Fluoranthene	<0.035		0.035	0.0065	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Fluorene	<0.035		0.035	0.0049	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Hexachlorobenzene	<0.071		0.071	0.0081	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Hexachlorobutadiene	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Hexachlorocyclopentadiene	<0.71		0.71	0.20	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Hexachloroethane	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Isophorone	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Methylnaphthalene	<0.035		0.035	0.0065	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Methylphenol	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Naphthalene	<0.035		0.035	0.0054	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Nitroaniline	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1
4-Nitrophenol	<0.71		0.71	0.33	mg/Kg	☆	01/02/14 07:08	01/03/14 18:11	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Date Collected: 12/19/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
N-Nitrosodiphenylamine	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Pentachlorophenol	<0.71		0.71	0.56	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
Pyrene	<0.035		0.035	0.0070	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
2,4,5-Trichlorophenol	<0.35		0.35	0.080	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	01/02/14 07:08	01/03/14 18:11	1
2-Fluorophenol	58		25 - 110	01/02/14 07:08	01/03/14 18:11	1
Nitrobenzene-d5	74		25 - 115	01/02/14 07:08	01/03/14 18:11	1
Phenol-d5	81		31 - 110	01/02/14 07:08	01/03/14 18:11	1
Terphenyl-d14	79		36 - 134	01/02/14 07:08	01/03/14 18:11	1
2,4,6-Tribromophenol	96		35 - 137	01/02/14 07:08	01/03/14 18:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3	B	0.46	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 02:47	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05B-131219

Lab Sample ID: 500-69043-8

Date Collected: 12/19/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.23		0.23	0.061	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Benzene	<0.012		0.012	0.0035	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Bromodichloromethane	<0.093		0.093	0.016	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Bromoform	<0.093		0.093	0.021	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Bromomethane	<0.093		0.093	0.032	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Carbon disulfide	<0.23		0.23	0.020	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Carbon tetrachloride	<0.047		0.047	0.012	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Chlorobenzene	<0.047		0.047	0.0067	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Chloroethane	<0.093		0.093	0.020	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Chloroform	<0.047		0.047	0.0096	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Chloromethane	<0.093		0.093	0.022	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
cis-1,2-Dichloroethene	<0.047		0.047	0.0057	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
cis-1,3-Dichloropropene	<0.047		0.047	0.0083	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Dibromochloromethane	<0.093		0.093	0.016	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,1-Dichloroethane	<0.047		0.047	0.0086	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,2-Dichloroethane	<0.047		0.047	0.013	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,1-Dichloroethene	<0.047		0.047	0.014	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,2-Dichloropropane	<0.047		0.047	0.0091	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,3-Dichloropropene, Total	<0.047		0.047	0.0083	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Ethylbenzene	5.8		0.012	0.0059	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
2-Hexanone	<0.23		0.23	0.026	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Methylene Chloride	<0.23		0.23	0.032	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Methyl Ethyl Ketone	<0.23		0.23	0.069	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
methyl isobutyl ketone	<0.23		0.23	0.015	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Methyl tert-butyl ether	<0.093		0.093	0.020	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Styrene	<0.047		0.047	0.0046	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,1,2,2-Tetrachloroethane	<0.047		0.047	0.011	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Tetrachloroethene	<0.047		0.047	0.0078	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Toluene	0.13		0.012	0.0054	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
trans-1,2-Dichloroethene	<0.047		0.047	0.012	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
trans-1,3-Dichloropropene	<0.047		0.047	0.0097	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,1,1-Trichloroethane	<0.047		0.047	0.0094	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
1,1,2-Trichloroethane	<0.047		0.047	0.013	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Trichloroethene	<0.023		0.023	0.0087	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50
Vinyl chloride	<0.012		0.012	0.0048	mg/Kg	☼	12/19/13 13:45	01/01/14 22:10	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120	12/19/13 13:45	01/01/14 22:10	50
Dibromofluoromethane	93		75 - 120	12/19/13 13:45	01/01/14 22:10	50
1,2-Dichloroethane-d4 (Surr)	127	X	75 - 125	12/19/13 13:45	01/01/14 22:10	50
Toluene-d8 (Surr)	101		75 - 120	12/19/13 13:45	01/01/14 22:10	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	18		0.23	0.032	mg/Kg	☼	12/19/13 13:45	01/02/14 12:51	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120	12/19/13 13:45	01/02/14 12:51	500
Dibromofluoromethane	92		75 - 120	12/19/13 13:45	01/02/14 12:51	500
1,2-Dichloroethane-d4 (Surr)	106		75 - 125	12/19/13 13:45	01/02/14 12:51	500

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05B-131219

Lab Sample ID: 500-69043-8

Date Collected: 12/19/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		75 - 120	12/19/13 13:45	01/02/14 12:51	500

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.18		0.18	0.033	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Acenaphthylene	<0.18		0.18	0.024	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Anthracene	<0.18		0.18	0.030	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Benzo[a]anthracene	<0.18		0.18	0.024	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Benzo[a]pyrene	<0.18		0.18	0.035	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Benzo[b]fluoranthene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Benzo[g,h,i]perylene	<0.18		0.18	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Benzo[k]fluoranthene	<0.18		0.18	0.053	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Bis(2-chloroethoxy)methane	<0.91		0.91	0.18	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Bis(2-chloroethyl)ether	<0.91		0.91	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Bis(2-ethylhexyl) phthalate	<0.91		0.91	0.33	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Bromophenyl phenyl ether	<0.91		0.91	0.24	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Butyl benzyl phthalate	<0.91		0.91	0.34	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Carbazole	<0.91		0.91	0.47	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Chloroaniline	<3.6		3.6	0.85	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Chloro-3-methylphenol	<1.8		1.8	0.62	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2-Chloronaphthalene	<0.91		0.91	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2-Chlorophenol	<0.91		0.91	0.31	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Chlorophenyl phenyl ether	<0.91		0.91	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Chrysene	<0.18		0.18	0.049	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Dibenz(a,h)anthracene	<0.18		0.18	0.035	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Dibenzofuran	<0.91		0.91	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
1,2-Dichlorobenzene	<0.91		0.91	0.22	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
1,3-Dichlorobenzene	<0.91		0.91	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
1,4-Dichlorobenzene	<0.91		0.91	0.23	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
3,3'-Dichlorobenzidine	<0.91		0.91	0.25	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4-Dichlorophenol	<1.8		1.8	0.43	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Diethyl phthalate	<0.91		0.91	0.31	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4-Dimethylphenol	<1.8		1.8	0.69	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Dimethyl phthalate	<0.91		0.91	0.24	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Di-n-butyl phthalate	<0.91		0.91	0.28	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4,6-Dinitro-2-methylphenol	<1.8		1.8	1.5	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4-Dinitrophenol	<3.6		3.6	3.2	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4-Dinitrotoluene	<0.91		0.91	0.29	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,6-Dinitrotoluene	<0.91		0.91	0.36	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Di-n-octyl phthalate	0.63 J		0.91	0.30	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Fluoranthene	<0.18		0.18	0.034	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Fluorene	0.15 J		0.18	0.025	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Hexachlorobenzene	<0.36		0.36	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Hexachlorobutadiene	<0.91		0.91	0.28	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Hexachlorocyclopentadiene	<3.6		3.6	1.0	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Hexachloroethane	<0.91		0.91	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Indeno[1,2,3-cd]pyrene	<0.18		0.18	0.047	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Isophorone	<0.91		0.91	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2-Methylnaphthalene	5.8		0.18	0.033	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05B-131219

Lab Sample ID: 500-69043-8

Date Collected: 12/19/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.91		0.91	0.29	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
3 & 4 Methylphenol	<0.91		0.91	0.30	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Naphthalene	3.5		0.18	0.028	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2-Nitroaniline	<0.91		0.91	0.24	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
3-Nitroaniline	<1.8		1.8	0.56	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Nitroaniline	<1.8		1.8	0.76	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Nitrobenzene	<0.18		0.18	0.045	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2-Nitrophenol	<1.8		1.8	0.43	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
4-Nitrophenol	<3.6		3.6	1.7	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
N-Nitrosodi-n-propylamine	<0.91		0.91	0.22	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
N-Nitrosodiphenylamine	<0.91		0.91	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,2'-oxybis[1-chloropropane]	<0.91		0.91	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Pentachlorophenol	<3.6		3.6	2.9	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Phenanthrene	0.19		0.18	0.025	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Phenol	<0.91		0.91	0.40	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
Pyrene	0.052	J	0.18	0.036	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
1,2,4-Trichlorobenzene	<0.91		0.91	0.19	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4,5-Trichlorophenol	<1.8		1.8	0.41	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5
2,4,6-Trichlorophenol	<1.8		1.8	0.62	mg/Kg	☼	01/02/14 07:08	01/08/14 11:17	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	104		25 - 119	01/02/14 07:08	01/08/14 11:17	5
2-Fluorophenol	91		25 - 110	01/02/14 07:08	01/08/14 11:17	5
Nitrobenzene-d5	78		25 - 115	01/02/14 07:08	01/08/14 11:17	5
Phenol-d5	95		31 - 110	01/02/14 07:08	01/08/14 11:17	5
Terphenyl-d14	95		36 - 134	01/02/14 07:08	01/08/14 11:17	5
2,4,6-Tribromophenol	94		35 - 137	01/02/14 07:08	01/08/14 11:17	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.9	B	0.51	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 02:54	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08A-131219

Lab Sample ID: 500-69043-9

Date Collected: 12/19/13 15:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0069		0.0047	0.0020	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Benzene	<0.0047		0.0047	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Bromodichloromethane	<0.0047		0.0047	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Bromoform	<0.0047		0.0047	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Bromomethane	<0.0047		0.0047	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Carbon disulfide	<0.0047		0.0047	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Carbon tetrachloride	<0.0047		0.0047	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Chlorobenzene	<0.0047		0.0047	0.00048	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Chloroethane	<0.0047		0.0047	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Chloroform	<0.0047		0.0047	0.00055	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Chloromethane	<0.0047		0.0047	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.00062	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Dibromochloromethane	<0.0047		0.0047	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,1-Dichloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,1,1-Dichloroethene	<0.0047		0.0047	0.00077	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,2-Dichloropropane	<0.0047		0.0047	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.00062	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Ethylbenzene	<0.0047		0.0047	0.00096	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Methylene Chloride	<0.0047		0.0047	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0017	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
methyl isobutyl ketone	<0.0047		0.0047	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Methyl tert-butyl ether	<0.0047		0.0047	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Styrene	<0.0047		0.0047	0.00062	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Tetrachloroethene	<0.0047		0.0047	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Toluene	<0.0047		0.0047	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.00085	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Trichloroethene	<0.0047		0.0047	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Vinyl chloride	<0.0047		0.0047	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1
Xylenes, Total	<0.0095		0.0095	0.00043	mg/Kg	☼	12/21/13 06:55	12/31/13 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	12/21/13 06:55	12/31/13 19:24	1
Dibromofluoromethane	100		75 - 120	12/21/13 06:55	12/31/13 19:24	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	12/21/13 06:55	12/31/13 19:24	1
Toluene-d8 (Surr)	98		75 - 122	12/21/13 06:55	12/31/13 19:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08A-131219

Lab Sample ID: 500-69043-9

Date Collected: 12/19/13 15:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.034		0.034	0.0073	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Carbazole	<0.17		0.17	0.088	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
1,3-Dichlorobenzene	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Dimethyl phthalate	<0.17		0.17	0.044	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4,6-Dinitro-2-methylphenol	<0.34		0.34	0.27	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Di-n-octyl phthalate	<0.17		0.17	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Hexachlorobutadiene	<0.17		0.17	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0088	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Methylnaphthalene	<0.034		0.034	0.0063	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Naphthalene	<0.034		0.034	0.0052	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
2-Nitrophenol	<0.34		0.34	0.080	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1
4-Nitrophenol	<0.69		0.69	0.32	mg/Kg	☆	01/02/14 07:08	01/03/14 18:48	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08A-131219

Lab Sample ID: 500-69043-9

Date Collected: 12/19/13 15:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Phenanthrene	<0.034		0.034	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
Pyrene	<0.034		0.034	0.0068	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	01/02/14 07:08	01/03/14 18:48	1
2-Fluorophenol	72		25 - 110	01/02/14 07:08	01/03/14 18:48	1
Nitrobenzene-d5	78		25 - 115	01/02/14 07:08	01/03/14 18:48	1
Phenol-d5	88		31 - 110	01/02/14 07:08	01/03/14 18:48	1
Terphenyl-d14	84		36 - 134	01/02/14 07:08	01/03/14 18:48	1
2,4,6-Tribromophenol	101		35 - 137	01/02/14 07:08	01/03/14 18:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5	B	0.47	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 03:00	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Date Collected: 12/19/13 16:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.24		0.24	0.061	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Benzene	<0.012		0.012	0.0035	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Bromodichloromethane	<0.094		0.094	0.016	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Bromoform	<0.094		0.094	0.021	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Bromomethane	<0.094		0.094	0.032	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Carbon disulfide	<0.24		0.24	0.020	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Carbon tetrachloride	<0.047		0.047	0.012	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Chlorobenzene	<0.047		0.047	0.0067	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Chloroethane	<0.094		0.094	0.020	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Chloroform	<0.047		0.047	0.0097	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Chloromethane	<0.094		0.094	0.022	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
cis-1,2-Dichloroethene	<0.047		0.047	0.0058	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
cis-1,3-Dichloropropene	<0.047		0.047	0.0084	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Dibromochloromethane	<0.094		0.094	0.016	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,1-Dichloroethane	<0.047		0.047	0.0087	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,2-Dichloroethane	<0.047		0.047	0.013	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,1,1-Dichloroethene	<0.047		0.047	0.014	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,2-Dichloropropane	<0.047		0.047	0.0092	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,3-Dichloropropene, Total	<0.047		0.047	0.0084	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Ethylbenzene	2.4		0.012	0.0059	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
2-Hexanone	<0.24		0.24	0.026	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Methylene Chloride	<0.24		0.24	0.032	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Methyl Ethyl Ketone	<0.24		0.24	0.069	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
methyl isobutyl ketone	<0.24		0.24	0.016	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Methyl tert-butyl ether	<0.094		0.094	0.020	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Styrene	<0.047		0.047	0.0047	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,1,1,2,2-Tetrachloroethane	<0.047		0.047	0.011	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Tetrachloroethene	<0.047		0.047	0.0079	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Toluene	0.027		0.012	0.0054	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
trans-1,2-Dichloroethene	<0.047		0.047	0.012	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
trans-1,3-Dichloropropene	<0.047		0.047	0.0098	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,1,1-Trichloroethane	<0.047		0.047	0.0095	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
1,1,2-Trichloroethane	<0.047		0.047	0.013	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Trichloroethene	<0.024		0.024	0.0088	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Vinyl chloride	<0.012		0.012	0.0049	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50
Xylenes, Total	4.1		0.024	0.0032	mg/Kg	☼	12/19/13 16:00	01/01/14 22:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120	12/19/13 16:00	01/01/14 22:37	50
Dibromofluoromethane	92		75 - 120	12/19/13 16:00	01/01/14 22:37	50
1,2-Dichloroethane-d4 (Surr)	129	X	75 - 125	12/19/13 16:00	01/01/14 22:37	50
Toluene-d8 (Surr)	104		75 - 120	12/19/13 16:00	01/01/14 22:37	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Anthracene	<0.035		0.035	0.0058	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Benzo[a]anthracene	<0.035		0.035	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Date Collected: 12/19/13 16:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.035		0.035	0.0075	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.052	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.064	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Butyl benzyl phthalate	<0.18		0.18	0.066	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Chrysene	<0.035		0.035	0.0095	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
1,3-Dichlorobenzene	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.049	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2,4-Dichlorophenol	<0.35		0.35	0.083	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Diethyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Di-n-butyl phthalate	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.28	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2,4-Dinitrophenol	<0.70		0.70	0.62	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Di-n-octyl phthalate	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Fluoranthene	<0.035		0.035	0.0065	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Fluorene	<0.035		0.035	0.0049	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Hexachlorobenzene	<0.070		0.070	0.0081	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Hexachlorobutadiene	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Hexachloroethane	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Isophorone	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Methylnaphthalene	0.29		0.035	0.0064	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Methylphenol	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
3 & 4 Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Naphthalene	0.20		0.035	0.0054	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Nitroaniline	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
Nitrobenzene	<0.035		0.035	0.0087	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1
4-Nitrophenol	<0.70		0.70	0.33	mg/Kg	☆	01/02/14 07:08	01/03/14 19:07	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Date Collected: 12/19/13 16:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
N-Nitrosodiphenylamine	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Pentachlorophenol	<0.70		0.70	0.56	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
Pyrene	<0.035		0.035	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
2,4,5-Trichlorophenol	<0.35		0.35	0.080	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	01/02/14 07:08	01/03/14 19:07	1
2-Fluorophenol	72		25 - 110	01/02/14 07:08	01/03/14 19:07	1
Nitrobenzene-d5	75		25 - 115	01/02/14 07:08	01/03/14 19:07	1
Phenol-d5	81		31 - 110	01/02/14 07:08	01/03/14 19:07	1
Terphenyl-d14	78		36 - 134	01/02/14 07:08	01/03/14 19:07	1
2,4,6-Tribromophenol	95		35 - 137	01/02/14 07:08	01/03/14 19:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8	B	0.47	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 03:06	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06A-131219

Lab Sample ID: 500-69043-11

Date Collected: 12/19/13 14:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.028		0.0053	0.0023	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Benzene	<0.0053		0.0053	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Bromodichloromethane	<0.0053		0.0053	0.00092	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Bromoform	<0.0053		0.0053	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Bromomethane	<0.0053		0.0053	0.0016	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Carbon disulfide	<0.0053		0.0053	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Carbon tetrachloride	<0.0053		0.0053	0.00097	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Chlorobenzene	<0.0053		0.0053	0.00054	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Chloroethane	<0.0053		0.0053	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Chloroform	<0.0053		0.0053	0.00061	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Chloromethane	<0.0053		0.0053	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Dibromochloromethane	<0.0053		0.0053	0.00093	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,1-Dichloroethane	<0.0053		0.0053	0.00084	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,2-Dichloroethane	<0.0053		0.0053	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,1,1-Dichloroethene	<0.0053		0.0053	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,2-Dichloropropane	<0.0053		0.0053	0.00081	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,3-Dichloropropene, Total	<0.0053		0.0053	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Ethylbenzene	<0.0053		0.0053	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
2-Hexanone	<0.0053		0.0053	0.0015	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Methylene Chloride	<0.0053		0.0053	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Methyl Ethyl Ketone	0.0072		0.0053	0.0019	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
methyl isobutyl ketone	<0.0053		0.0053	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Methyl tert-butyl ether	<0.0053		0.0053	0.00088	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Styrene	<0.0053		0.0053	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Tetrachloroethene	<0.0053		0.0053	0.00081	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Toluene	0.0030 J		0.0053	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.00095	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Trichloroethene	<0.0053		0.0053	0.00088	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Vinyl chloride	<0.0053		0.0053	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1
Xylenes, Total	<0.011		0.011	0.00048	mg/Kg	☼	12/21/13 06:55	12/31/13 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	12/21/13 06:55	12/31/13 19:46	1
Dibromofluoromethane	98		75 - 120	12/21/13 06:55	12/31/13 19:46	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	12/21/13 06:55	12/31/13 19:46	1
Toluene-d8 (Surr)	99		75 - 122	12/21/13 06:55	12/31/13 19:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Anthracene	<0.034		0.034	0.0056	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Benzo[a]anthracene	<0.034		0.034	0.0045	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Benzo[a]pyrene	<0.034		0.034	0.0065	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06A-131219

Lab Sample ID: 500-69043-11

Date Collected: 12/19/13 14:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.034		0.034	0.0073	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Butyl benzyl phthalate	<0.17		0.17	0.064	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Carbazole	<0.17		0.17	0.087	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Chloroaniline	<0.68		0.68	0.16	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Chloro-3-methylphenol	<0.34		0.34	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Chrysene	<0.034		0.034	0.0092	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0065	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
1,3-Dichlorobenzene	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2,4-Dichlorophenol	<0.34		0.34	0.080	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Diethyl phthalate	<0.17		0.17	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Dimethyl phthalate	<0.17		0.17	0.044	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4,6-Dinitro-2-methylphenol	<0.34		0.34	0.27	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2,4-Dinitrophenol	<0.68		0.68	0.59	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2,6-Dinitrotoluene	<0.17		0.17	0.066	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Di-n-octyl phthalate	<0.17		0.17	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Fluorene	<0.034		0.034	0.0047	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Hexachlorobenzene	<0.068		0.068	0.0078	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Hexachlorobutadiene	<0.17		0.17	0.053	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Hexachlorocyclopentadiene	<0.68		0.68	0.19	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0088	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Methylnaphthalene	<0.034		0.034	0.0062	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Methylphenol	<0.17		0.17	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
3 & 4 Methylphenol	<0.17		0.17	0.056	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Naphthalene	<0.034		0.034	0.0052	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
3-Nitroaniline	<0.34		0.34	0.10	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
Nitrobenzene	<0.034		0.034	0.0084	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
2-Nitrophenol	<0.34		0.34	0.080	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1
4-Nitrophenol	<0.68		0.68	0.32	mg/Kg	☆	01/02/14 07:08	01/03/14 19:25	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06A-131219

Lab Sample ID: 500-69043-11

Date Collected: 12/19/13 14:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.17		0.17	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Pentachlorophenol	<0.68		0.68	0.54	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Phenanthrene	<0.034		0.034	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Phenol	<0.17		0.17	0.075	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
Pyrene	<0.034		0.034	0.0067	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
2,4,5-Trichlorophenol	<0.34		0.34	0.077	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	01/02/14 07:08	01/03/14 19:25	1
2-Fluorophenol	69		25 - 110	01/02/14 07:08	01/03/14 19:25	1
Nitrobenzene-d5	83		25 - 115	01/02/14 07:08	01/03/14 19:25	1
Phenol-d5	89		31 - 110	01/02/14 07:08	01/03/14 19:25	1
Terphenyl-d14	83		36 - 134	01/02/14 07:08	01/03/14 19:25	1
2,4,6-Tribromophenol	114		35 - 137	01/02/14 07:08	01/03/14 19:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	B	0.46	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 03:27	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219

Lab Sample ID: 500-69043-12

Date Collected: 12/19/13 14:50

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.7		2.7	0.69	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Benzene	<0.13		0.13	0.040	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Bromodichloromethane	<1.1		1.1	0.18	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Bromoform	<1.1		1.1	0.24	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Bromomethane	<1.1		1.1	0.36	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Carbon disulfide	<2.7		2.7	0.23	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Carbon tetrachloride	<0.53		0.53	0.14	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Chlorobenzene	<0.53		0.53	0.076	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Chloroethane	<1.1		1.1	0.23	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Chloroform	<0.53		0.53	0.11	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Chloromethane	<1.1		1.1	0.25	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
cis-1,2-Dichloroethene	<0.53		0.53	0.066	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
cis-1,3-Dichloropropene	<0.53		0.53	0.095	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Dibromochloromethane	<1.1		1.1	0.18	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,1-Dichloroethane	<0.53		0.53	0.099	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,2-Dichloroethane	<0.53		0.53	0.15	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,1,1-Dichloroethene	<0.53		0.53	0.16	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,2-Dichloropropane	<0.53		0.53	0.10	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,3-Dichloropropene, Total	<0.53		0.53	0.095	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Ethylbenzene	0.90		0.13	0.067	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
2-Hexanone	<2.7		2.7	0.30	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Methylene Chloride	<2.7		2.7	0.36	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Methyl Ethyl Ketone	<2.7		2.7	0.78	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
methyl isobutyl ketone	<2.7		2.7	0.18	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Methyl tert-butyl ether	<1.1		1.1	0.23	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Styrene	<0.53		0.53	0.053	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,1,2,2-Tetrachloroethane	<0.53		0.53	0.12	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Tetrachloroethene	<0.53		0.53	0.089	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Toluene	0.17		0.13	0.061	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
trans-1,2-Dichloroethene	<0.53		0.53	0.13	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
trans-1,3-Dichloropropene	<0.53		0.53	0.11	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,1,1-Trichloroethane	<0.53		0.53	0.11	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
1,1,2-Trichloroethane	<0.53		0.53	0.15	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Trichloroethene	<0.27		0.27	0.099	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Vinyl chloride	<0.13		0.13	0.056	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500
Xylenes, Total	1.5		0.27	0.037	mg/Kg	☼	12/19/13 14:50	01/01/14 23:05	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120	12/19/13 14:50	01/01/14 23:05	500
Dibromofluoromethane	92		75 - 120	12/19/13 14:50	01/01/14 23:05	500
1,2-Dichloroethane-d4 (Surr)	150	X	75 - 125	12/19/13 14:50	01/01/14 23:05	500
Toluene-d8 (Surr)	101		75 - 120	12/19/13 14:50	01/01/14 23:05	500

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.032	J	0.036	0.0065	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Benzo[a]anthracene	0.028	J	0.036	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Benzo[a]pyrene	0.015	J	0.036	0.0070	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219

Lab Sample ID: 500-69043-12

Date Collected: 12/19/13 14:50

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.021	J	0.036	0.0078	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Benzo[g,h,i]perylene	0.013	J	0.036	0.012	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Carbazole	<0.18		0.18	0.094	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Chrysene	0.018	J	0.036	0.0099	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Fluoranthene	0.12		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Fluorene	0.059		0.036	0.0051	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Methylnaphthalene	2.2		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Naphthalene	0.099		0.036	0.0056	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☆	01/02/14 07:08	01/03/14 19:44	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219

Lab Sample ID: 500-69043-12

Date Collected: 12/19/13 14:50

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Phenanthrene	0.19		0.036	0.0051	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
Pyrene	0.088		0.036	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	01/02/14 07:08	01/03/14 19:44	1
2-Fluorophenol	71		25 - 110	01/02/14 07:08	01/03/14 19:44	1
Nitrobenzene-d5	90		25 - 115	01/02/14 07:08	01/03/14 19:44	1
Phenol-d5	87		31 - 110	01/02/14 07:08	01/03/14 19:44	1
Terphenyl-d14	85		36 - 134	01/02/14 07:08	01/03/14 19:44	1
2,4,6-Tribromophenol	116		35 - 137	01/02/14 07:08	01/03/14 19:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.0	B	0.50	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 03:58	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219D

Lab Sample ID: 500-69043-13

Date Collected: 12/19/13 14:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.5		2.5	0.66	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Benzene	<0.13		0.13	0.038	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Bromodichloromethane	<1.0		1.0	0.17	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Bromoform	<1.0		1.0	0.22	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Bromomethane	<1.0		1.0	0.34	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Carbon disulfide	<2.5		2.5	0.22	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Carbon tetrachloride	<0.51		0.51	0.13	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Chlorobenzene	<0.51		0.51	0.072	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Chloroethane	<1.0		1.0	0.22	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Chloroform	<0.51		0.51	0.10	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Chloromethane	<1.0		1.0	0.23	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
cis-1,2-Dichloroethene	<0.51		0.51	0.062	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
cis-1,3-Dichloropropene	<0.51		0.51	0.090	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Dibromochloromethane	<1.0		1.0	0.17	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,1-Dichloroethane	<0.51		0.51	0.094	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,2-Dichloroethane	<0.51		0.51	0.14	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,1,1-Dichloroethene	<0.51		0.51	0.16	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,2-Dichloropropane	<0.51		0.51	0.099	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,3-Dichloropropene, Total	<0.51		0.51	0.090	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Ethylbenzene	0.24		0.13	0.064	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
2-Hexanone	<2.5		2.5	0.28	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Methylene Chloride	<2.5		2.5	0.35	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Methyl Ethyl Ketone	<2.5		2.5	0.74	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
methyl isobutyl ketone	<2.5		2.5	0.17	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Methyl tert-butyl ether	<1.0		1.0	0.22	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Styrene	<0.51		0.51	0.050	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,1,2,2-Tetrachloroethane	<0.51		0.51	0.12	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Tetrachloroethene	<0.51		0.51	0.084	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Toluene	<0.13		0.13	0.058	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
trans-1,2-Dichloroethene	<0.51		0.51	0.13	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
trans-1,3-Dichloropropene	<0.51		0.51	0.11	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,1,1-Trichloroethane	<0.51		0.51	0.10	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
1,1,2-Trichloroethane	<0.51		0.51	0.14	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Trichloroethene	<0.25		0.25	0.094	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Vinyl chloride	<0.13		0.13	0.053	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500
Xylenes, Total	0.44		0.25	0.035	mg/Kg	☼	12/19/13 14:55	01/01/14 23:32	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120	12/19/13 14:55	01/01/14 23:32	500
Dibromofluoromethane	94		75 - 120	12/19/13 14:55	01/01/14 23:32	500
1,2-Dichloroethane-d4 (Surr)	117		75 - 125	12/19/13 14:55	01/01/14 23:32	500
Toluene-d8 (Surr)	102		75 - 120	12/19/13 14:55	01/01/14 23:32	500

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Benzo[a]anthracene	0.012	J	0.035	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Benzo[a]pyrene	0.0088	J	0.035	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219D

Lab Sample ID: 500-69043-13

Date Collected: 12/19/13 14:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.0097	J	0.035	0.0077	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Bis(2-ethylhexyl) phthalate	0.26		0.18	0.065	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Chrysene	<0.035		0.035	0.0097	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0069	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.29	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4-Dinitrophenol	<0.72		0.72	0.62	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Fluoranthene	0.040		0.035	0.0066	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Hexachlorobenzene	<0.072		0.072	0.0082	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Hexachlorocyclopentadiene	<0.72		0.72	0.20	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Methylnaphthalene	0.51		0.035	0.0065	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Naphthalene	0.0085	J	0.035	0.0055	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Nitrobenzene	<0.035		0.035	0.0089	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-06B-131219D

Lab Sample ID: 500-69043-13

Date Collected: 12/19/13 14:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Phenanthrene	0.035		0.035	0.0049	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
Pyrene	0.033	J	0.035	0.0070	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	01/02/14 07:08	01/03/14 20:03	1
2-Fluorophenol	75		25 - 110	01/02/14 07:08	01/03/14 20:03	1
Nitrobenzene-d5	67		25 - 115	01/02/14 07:08	01/03/14 20:03	1
Phenol-d5	82		31 - 110	01/02/14 07:08	01/03/14 20:03	1
Terphenyl-d14	86		36 - 134	01/02/14 07:08	01/03/14 20:03	1
2,4,6-Tribromophenol	107		35 - 137	01/02/14 07:08	01/03/14 20:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7	B	0.49	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 04:05	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: Trip Blank 121913

Lab Sample ID: 500-69043-14

Date Collected: 12/19/13 00:00

Matrix: Water

Date Received: 12/20/13 17:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			12/31/13 16:09	1
Benzene	<0.00050		0.00050	0.000074	mg/L			12/31/13 16:09	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			12/31/13 16:09	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			12/31/13 16:09	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			12/31/13 16:09	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			12/31/13 16:09	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			12/31/13 16:09	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			12/31/13 16:09	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			12/31/13 16:09	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			12/31/13 16:09	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			12/31/13 16:09	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			12/31/13 16:09	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			12/31/13 16:09	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			12/31/13 16:09	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			12/31/13 16:09	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			12/31/13 16:09	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			12/31/13 16:09	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			12/31/13 16:09	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			12/31/13 16:09	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			12/31/13 16:09	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			12/31/13 16:09	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			12/31/13 16:09	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			12/31/13 16:09	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			12/31/13 16:09	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			12/31/13 16:09	1
Styrene	<0.0010		0.0010	0.00010	mg/L			12/31/13 16:09	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			12/31/13 16:09	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			12/31/13 16:09	1
Toluene	<0.00050		0.00050	0.00011	mg/L			12/31/13 16:09	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			12/31/13 16:09	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			12/31/13 16:09	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			12/31/13 16:09	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			12/31/13 16:09	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			12/31/13 16:09	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			12/31/13 16:09	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			12/31/13 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		12/31/13 16:09	1
Dibromofluoromethane	92		75 - 120		12/31/13 16:09	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 125		12/31/13 16:09	1
Toluene-d8 (Surr)	104		75 - 120		12/31/13 16:09	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09A-131220

Lab Sample ID: 500-69043-15

Date Collected: 12/20/13 08:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0022	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Benzene	<0.0050		0.0050	0.00069	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Bromodichloromethane	<0.0050		0.0050	0.00087	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Bromoform	<0.0050		0.0050	0.0012	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Bromomethane	<0.0050		0.0050	0.0015	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Carbon disulfide	<0.0050		0.0050	0.00075	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Carbon tetrachloride	<0.0050		0.0050	0.00091	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Chlorobenzene	<0.0050		0.0050	0.00051	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Chloroethane	<0.0050		0.0050	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Chloroform	<0.0050		0.0050	0.00058	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Chloromethane	<0.0050		0.0050	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.00071	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.00066	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Dibromochloromethane	<0.0050		0.0050	0.00087	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,1-Dichloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,1,1-Dichloroethene	<0.0050		0.0050	0.00081	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,2-Dichloropropane	<0.0050		0.0050	0.00076	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.00066	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
2-Hexanone	<0.0050		0.0050	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Methylene Chloride	<0.0050		0.0050	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0018	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
methyl isobutyl ketone	<0.0050		0.0050	0.0013	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Methyl tert-butyl ether	<0.0050		0.0050	0.00083	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Styrene	<0.0050		0.0050	0.00066	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Tetrachloroethene	<0.0050		0.0050	0.00077	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.00069	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.00090	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.00075	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00069	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Trichloroethene	<0.0050		0.0050	0.00083	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Vinyl chloride	<0.0050		0.0050	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1
Xylenes, Total	<0.010		0.010	0.00046	mg/Kg	☼	12/21/13 06:55	01/02/14 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	12/21/13 06:55	01/02/14 12:53	1
Dibromofluoromethane	97		75 - 120	12/21/13 06:55	01/02/14 12:53	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	12/21/13 06:55	01/02/14 12:53	1
Toluene-d8 (Surr)	95		75 - 122	12/21/13 06:55	01/02/14 12:53	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09A-131220

Lab Sample ID: 500-69043-15

Date Collected: 12/20/13 08:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Carbazole	<0.18		0.18	0.094	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Di-n-octyl phthalate	0.12 J		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☆	01/02/14 07:08	01/08/14 11:36	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09A-131220

Lab Sample ID: 500-69043-15

Date Collected: 12/20/13 08:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	01/02/14 07:08	01/08/14 11:36	1
2-Fluorophenol	71		25 - 110	01/02/14 07:08	01/08/14 11:36	1
Nitrobenzene-d5	75		25 - 115	01/02/14 07:08	01/08/14 11:36	1
Phenol-d5	83		31 - 110	01/02/14 07:08	01/08/14 11:36	1
Terphenyl-d14	82		36 - 134	01/02/14 07:08	01/08/14 11:36	1
2,4,6-Tribromophenol	111		35 - 137	01/02/14 07:08	01/08/14 11:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.1	B	0.49	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 04:11	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09B-131220

Lab Sample ID: 500-69043-16

Date Collected: 12/20/13 08:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0022	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Benzene	<0.0050		0.0050	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Bromodichloromethane	<0.0050		0.0050	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Bromoform	<0.0050		0.0050	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Bromomethane	<0.0050		0.0050	0.0015	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Carbon disulfide	<0.0050		0.0050	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Carbon tetrachloride	<0.0050		0.0050	0.00091	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Chlorobenzene	<0.0050		0.0050	0.00050	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Chloroethane	<0.0050		0.0050	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Chloroform	<0.0050		0.0050	0.00057	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Chloromethane	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Dibromochloromethane	<0.0050		0.0050	0.00087	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,1-Dichloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,1-Dichloroethene	<0.0050		0.0050	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,2-Dichloropropane	<0.0050		0.0050	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
2-Hexanone	<0.0050		0.0050	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Methylene Chloride	<0.0050		0.0050	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0018	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
methyl isobutyl ketone	<0.0050		0.0050	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Methyl tert-butyl ether	<0.0050		0.0050	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Styrene	<0.0050		0.0050	0.00065	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Tetrachloroethene	<0.0050		0.0050	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.00069	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.00089	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00068	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Trichloroethene	<0.0050		0.0050	0.00082	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Vinyl chloride	<0.0050		0.0050	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg	☼	12/21/13 06:55	12/31/13 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	12/21/13 06:55	12/31/13 20:54	1
Dibromofluoromethane	97		75 - 120	12/21/13 06:55	12/31/13 20:54	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	12/21/13 06:55	12/31/13 20:54	1
Toluene-d8 (Surr)	98		75 - 122	12/21/13 06:55	12/31/13 20:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09B-131220

Lab Sample ID: 500-69043-16

Date Collected: 12/20/13 08:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Carbazole	<0.18		0.18	0.093	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Di-n-octyl phthalate	0.073 J		0.18	0.059	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Methylnaphthalene	<0.036		0.036	0.0066	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☆	01/02/14 07:08	01/03/14 20:40	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-09B-131220

Lab Sample ID: 500-69043-16

Date Collected: 12/20/13 08:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/03/14 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		25 - 119	01/02/14 07:08	01/03/14 20:40	1
2-Fluorophenol	61		25 - 110	01/02/14 07:08	01/03/14 20:40	1
Nitrobenzene-d5	68		25 - 115	01/02/14 07:08	01/03/14 20:40	1
Phenol-d5	79		31 - 110	01/02/14 07:08	01/03/14 20:40	1
Terphenyl-d14	76		36 - 134	01/02/14 07:08	01/03/14 20:40	1
2,4,6-Tribromophenol	95		35 - 137	01/02/14 07:08	01/03/14 20:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.5	B	0.52	0.16	mg/Kg	☼	12/31/13 09:30	01/01/14 04:17	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10A-131220

Lab Sample ID: 500-69043-17

Date Collected: 12/20/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0076		0.0051	0.0022	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Benzene	<0.0051		0.0051	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Bromodichloromethane	<0.0051		0.0051	0.00088	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Bromoform	<0.0051		0.0051	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Bromomethane	<0.0051		0.0051	0.0016	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Carbon disulfide	<0.0051		0.0051	0.00077	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Carbon tetrachloride	<0.0051		0.0051	0.00093	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Chlorobenzene	<0.0051		0.0051	0.00052	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Chloroethane	<0.0051		0.0051	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Chloroform	<0.0051		0.0051	0.00059	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Chloromethane	<0.0051		0.0051	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.00073	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Dibromochloromethane	<0.0051		0.0051	0.00089	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,1-Dichloroethane	<0.0051		0.0051	0.00081	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,2-Dichloroethane	<0.0051		0.0051	0.00076	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,1-Dichloroethene	<0.0051		0.0051	0.00083	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,2-Dichloropropane	<0.0051		0.0051	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,3-Dichloropropene, Total	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Ethylbenzene	<0.0051		0.0051	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
2-Hexanone	<0.0051		0.0051	0.0015	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Methylene Chloride	<0.0051		0.0051	0.0014	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Methyl Ethyl Ketone	<0.0051		0.0051	0.0019	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
methyl isobutyl ketone	<0.0051		0.0051	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Methyl tert-butyl ether	<0.0051		0.0051	0.00085	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Styrene	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Tetrachloroethene	<0.0051		0.0051	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Toluene	<0.0051		0.0051	0.00072	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.00071	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.00092	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.00077	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00070	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Trichloroethene	<0.0051		0.0051	0.00085	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Vinyl chloride	<0.0051		0.0051	0.0011	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1
Xylenes, Total	<0.010		0.010	0.00047	mg/Kg	☼	12/21/13 06:55	12/31/13 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	12/21/13 06:55	12/31/13 21:17	1
Dibromofluoromethane	96		75 - 120	12/21/13 06:55	12/31/13 21:17	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	12/21/13 06:55	12/31/13 21:17	1
Toluene-d8 (Surr)	99		75 - 122	12/21/13 06:55	12/31/13 21:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Benzo[a]pyrene	0.012	J	0.039	0.0076	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10A-131220

Lab Sample ID: 500-69043-17

Date Collected: 12/20/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.019	J	0.039	0.0085	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Chloroaniline	<0.79		0.79	0.19	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Chrysene	0.018	J	0.039	0.011	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4,6-Dinitro-2-methylphenol	<0.39		0.39	0.32	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Fluoranthene	0.027	J	0.039	0.0073	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Methylnaphthalene	0.035	J	0.039	0.0072	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10A-131220

Lab Sample ID: 500-69043-17

Date Collected: 12/20/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Phenanthrene	0.032	J	0.039	0.0055	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
Pyrene	0.023	J	0.039	0.0078	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	01/02/14 07:08	01/08/14 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		25 - 119	01/02/14 07:08	01/08/14 11:55	1
2-Fluorophenol	61		25 - 110	01/02/14 07:08	01/08/14 11:55	1
Nitrobenzene-d5	60		25 - 115	01/02/14 07:08	01/08/14 11:55	1
Phenol-d5	73		31 - 110	01/02/14 07:08	01/08/14 11:55	1
Terphenyl-d14	70		36 - 134	01/02/14 07:08	01/08/14 11:55	1
2,4,6-Tribromophenol	71		35 - 137	01/02/14 07:08	01/08/14 11:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18	B	0.60	0.18	mg/Kg	☼	12/31/13 09:30	01/01/14 04:23	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10B-131220

Lab Sample ID: 500-69043-18

Date Collected: 12/20/13 10:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.019		0.0057	0.0025	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Benzene	<0.0057		0.0057	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Bromodichloromethane	<0.0057		0.0057	0.00099	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Bromoform	<0.0057		0.0057	0.0013	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Bromomethane	<0.0057		0.0057	0.0017	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Carbon disulfide	<0.0057		0.0057	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Carbon tetrachloride	<0.0057		0.0057	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Chlorobenzene	<0.0057		0.0057	0.00058	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Chloroethane	<0.0057		0.0057	0.0016	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Chloroform	<0.0057		0.0057	0.00066	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Chloromethane	<0.0057		0.0057	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
cis-1,2-Dichloroethene	<0.0057		0.0057	0.00081	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
cis-1,3-Dichloropropene	<0.0057		0.0057	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Dibromochloromethane	<0.0057		0.0057	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,1-Dichloroethane	<0.0057		0.0057	0.00091	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,2-Dichloroethane	<0.0057		0.0057	0.00085	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,1-Dichloroethene	<0.0057		0.0057	0.00093	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,2-Dichloropropane	<0.0057		0.0057	0.00087	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,3-Dichloropropene, Total	<0.0057		0.0057	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Ethylbenzene	<0.0057		0.0057	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
2-Hexanone	<0.0057		0.0057	0.0016	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Methylene Chloride	<0.0057		0.0057	0.0015	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Methyl Ethyl Ketone	0.0056	J	0.0057	0.0021	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
methyl isobutyl ketone	<0.0057		0.0057	0.0015	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Methyl tert-butyl ether	<0.0057		0.0057	0.00095	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Styrene	<0.0057		0.0057	0.00075	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,1,2,2-Tetrachloroethane	<0.0057		0.0057	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Tetrachloroethene	<0.0057		0.0057	0.00087	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Toluene	0.0037	J	0.0057	0.00080	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
trans-1,2-Dichloroethene	<0.0057		0.0057	0.00079	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
trans-1,3-Dichloropropene	<0.0057		0.0057	0.0010	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,1,1-Trichloroethane	<0.0057		0.0057	0.00086	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
1,1,2-Trichloroethane	<0.0057		0.0057	0.00078	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Trichloroethene	<0.0057		0.0057	0.00094	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Vinyl chloride	<0.0057		0.0057	0.0012	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1
Xylenes, Total	<0.011		0.011	0.00052	mg/Kg	☼	12/21/13 06:55	12/31/13 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	12/21/13 06:55	12/31/13 21:40	1
Dibromofluoromethane	94		75 - 120	12/21/13 06:55	12/31/13 21:40	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	12/21/13 06:55	12/31/13 21:40	1
Toluene-d8 (Surr)	96		75 - 122	12/21/13 06:55	12/31/13 21:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10B-131220

Lab Sample ID: 500-69043-18

Date Collected: 12/20/13 10:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.034		0.034	0.0074	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Bis(2-ethylhexyl) phthalate	0.063	J	0.17	0.062	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Carbazole	<0.17		0.17	0.088	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
1,3-Dichlorobenzene	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4,6-Dinitro-2-methylphenol	<0.34		0.34	0.27	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0088	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Methylnaphthalene	<0.034		0.034	0.0063	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Naphthalene	<0.034		0.034	0.0052	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1
4-Nitrophenol	<0.69		0.69	0.32	mg/Kg	☆	01/02/14 07:08	01/08/14 12:15	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10B-131220

Lab Sample ID: 500-69043-18

Date Collected: 12/20/13 10:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Phenanthrene	<0.034		0.034	0.0047	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
Pyrene	<0.034		0.034	0.0068	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		25 - 119	01/02/14 07:08	01/08/14 12:15	1
2-Fluorophenol	70		25 - 110	01/02/14 07:08	01/08/14 12:15	1
Nitrobenzene-d5	72		25 - 115	01/02/14 07:08	01/08/14 12:15	1
Phenol-d5	81		31 - 110	01/02/14 07:08	01/08/14 12:15	1
Terphenyl-d14	84		36 - 134	01/02/14 07:08	01/08/14 12:15	1
2,4,6-Tribromophenol	93		35 - 137	01/02/14 07:08	01/08/14 12:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0	B	0.53	0.16	mg/Kg	☼	12/31/13 09:30	01/01/14 04:44	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11A-131220

Lab Sample ID: 500-69043-19

Date Collected: 12/20/13 11:20

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 95.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012		0.0052	0.0022	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Benzene	<0.0052		0.0052	0.00071	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Bromodichloromethane	<0.0052		0.0052	0.00089	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Bromoform	<0.0052		0.0052	0.0012	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Bromomethane	<0.0052		0.0052	0.0016	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Carbon disulfide	<0.0052		0.0052	0.00077	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Carbon tetrachloride	<0.0052		0.0052	0.00094	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Chlorobenzene	<0.0052		0.0052	0.00053	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Chloroethane	<0.0052		0.0052	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Chloroform	<0.0052		0.0052	0.00060	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Chloromethane	<0.0052		0.0052	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.00073	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.00068	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Dibromochloromethane	<0.0052		0.0052	0.00090	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,1-Dichloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,1,1-Dichloroethene	<0.0052		0.0052	0.00084	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,2-Dichloropropane	<0.0052		0.0052	0.00079	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,3-Dichloropropene, Total	<0.0052		0.0052	0.00068	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Ethylbenzene	<0.0052		0.0052	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
2-Hexanone	<0.0052		0.0052	0.0015	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Methylene Chloride	<0.0052		0.0052	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0019	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
methyl isobutyl ketone	<0.0052		0.0052	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Methyl tert-butyl ether	<0.0052		0.0052	0.00086	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Styrene	<0.0052		0.0052	0.00068	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Tetrachloroethene	<0.0052		0.0052	0.00079	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Toluene	0.0033	J	0.0052	0.00073	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.00071	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.00093	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.00071	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Trichloroethene	<0.0052		0.0052	0.00086	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Vinyl chloride	<0.0052		0.0052	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1
Xylenes, Total	<0.010		0.010	0.00047	mg/Kg	☼	12/21/13 06:55	01/02/14 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	12/21/13 06:55	01/02/14 13:16	1
Dibromofluoromethane	101		75 - 120	12/21/13 06:55	01/02/14 13:16	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	12/21/13 06:55	01/02/14 13:16	1
Toluene-d8 (Surr)	96		75 - 122	12/21/13 06:55	01/02/14 13:16	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0061	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11A-131220

Lab Sample ID: 500-69043-19

Date Collected: 12/20/13 11:20

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 95.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.034		0.034	0.0074	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.062	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Carbazole	<0.17		0.17	0.088	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
1,3-Dichlorobenzene	<0.17		0.17	0.038	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4,6-Dinitro-2-methylphenol	<0.34		0.34	0.27	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0088	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Methylnaphthalene	<0.034		0.034	0.0063	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Naphthalene	<0.034		0.034	0.0052	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
4-Nitrophenol	<0.69		0.69	0.32	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11A-131220

Lab Sample ID: 500-69043-19

Date Collected: 12/20/13 11:20

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 95.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
Pyrene	<0.034		0.034	0.0068	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		25 - 119	01/02/14 07:08	01/08/14 12:54	1
2-Fluorophenol	72		25 - 110	01/02/14 07:08	01/08/14 12:54	1
Nitrobenzene-d5	72		25 - 115	01/02/14 07:08	01/08/14 12:54	1
Phenol-d5	86		31 - 110	01/02/14 07:08	01/08/14 12:54	1
Terphenyl-d14	81		36 - 134	01/02/14 07:08	01/08/14 12:54	1
2,4,6-Tribromophenol	106		35 - 137	01/02/14 07:08	01/08/14 12:54	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3	B	0.48	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 04:51	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220

Lab Sample ID: 500-69043-20

Date Collected: 12/20/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.57		0.57	0.15	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Benzene	<0.029		0.029	0.0085	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Bromodichloromethane	<0.23		0.23	0.039	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Bromoform	<0.23		0.23	0.051	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Bromomethane	<0.23		0.23	0.078	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Carbon disulfide	<0.57		0.57	0.049	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Carbon tetrachloride	<0.11		0.11	0.030	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Chlorobenzene	<0.11		0.11	0.016	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Chloroethane	<0.23		0.23	0.050	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Chloroform	<0.11		0.11	0.024	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Chloromethane	<0.23		0.23	0.053	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
cis-1,2-Dichloroethene	<0.11		0.11	0.014	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
cis-1,3-Dichloropropene	<0.11		0.11	0.020	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Dibromochloromethane	<0.23		0.23	0.040	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,1-Dichloroethane	<0.11		0.11	0.021	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,2-Dichloroethane	<0.11		0.11	0.033	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,1-Dichloroethene	<0.11		0.11	0.035	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,2-Dichloropropane	<0.11		0.11	0.023	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,3-Dichloropropene, Total	<0.11		0.11	0.020	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
2-Hexanone	<0.57		0.57	0.065	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Methylene Chloride	<0.57		0.57	0.078	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Methyl Ethyl Ketone	<0.57		0.57	0.17	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
methyl isobutyl ketone	<0.57		0.57	0.038	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Methyl tert-butyl ether	<0.23		0.23	0.049	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Styrene	<0.11		0.11	0.011	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,1,2,2-Tetrachloroethane	<0.11		0.11	0.027	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Tetrachloroethene	<0.11		0.11	0.019	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
trans-1,2-Dichloroethene	<0.11		0.11	0.029	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
trans-1,3-Dichloropropene	<0.11		0.11	0.024	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,1,1-Trichloroethane	<0.11		0.11	0.023	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
1,1,2-Trichloroethane	<0.11		0.11	0.032	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Trichloroethene	<0.057		0.057	0.021	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100
Vinyl chloride	<0.029		0.029	0.012	mg/Kg	☆	12/20/13 11:30	01/02/14 19:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	X	75 - 120	12/20/13 11:30	01/02/14 19:29	100
Dibromofluoromethane	77		75 - 120	12/20/13 11:30	01/02/14 19:29	100
1,2-Dichloroethane-d4 (Surr)	165	X	75 - 125	12/20/13 11:30	01/02/14 19:29	100
Toluene-d8 (Surr)	108		75 - 120	12/20/13 11:30	01/02/14 19:29	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	160		1.4	0.72	mg/Kg	☆	12/20/13 11:30	01/03/14 11:34	5000
Toluene	39		1.4	0.66	mg/Kg	☆	12/20/13 11:30	01/03/14 11:34	5000
Xylenes, Total	940		2.9	0.39	mg/Kg	☆	12/20/13 11:30	01/03/14 11:34	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120	12/20/13 11:30	01/03/14 11:34	5000
Dibromofluoromethane	93		75 - 120	12/20/13 11:30	01/03/14 11:34	5000
1,2-Dichloroethane-d4 (Surr)	100		75 - 125	12/20/13 11:30	01/03/14 11:34	5000

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220

Lab Sample ID: 500-69043-20

Date Collected: 12/20/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		75 - 120	12/20/13 11:30	01/03/14 11:34	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Carbazole	<0.18		0.18	0.095	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220

Lab Sample ID: 500-69043-20

Date Collected: 12/20/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Naphthalene	2.2		0.036	0.0056	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Phenanthrene	0.041		0.036	0.0051	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
Pyrene	0.0081	J	0.036	0.0073	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	01/02/14 07:08	01/08/14 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		25 - 119	01/02/14 07:08	01/08/14 13:13	1
2-Fluorophenol	63		25 - 110	01/02/14 07:08	01/08/14 13:13	1
Nitrobenzene-d5	70		25 - 115	01/02/14 07:08	01/08/14 13:13	1
Phenol-d5	73		31 - 110	01/02/14 07:08	01/08/14 13:13	1
Terphenyl-d14	78		36 - 134	01/02/14 07:08	01/08/14 13:13	1
2,4,6-Tribromophenol	101		35 - 137	01/02/14 07:08	01/08/14 13:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	4.1		0.18	0.034	mg/Kg	☼	01/02/14 07:08	01/08/14 15:08	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.0	B	0.49	0.14	mg/Kg	☼	12/31/13 09:30	01/01/14 04:57	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220D

Lab Sample ID: 500-69043-21

Date Collected: 12/20/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<2.9		2.9	0.74	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Benzene	<0.14		0.14	0.042	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Bromodichloromethane	<1.1		1.1	0.19	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Bromoform	<1.1		1.1	0.25	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Bromomethane	<1.1		1.1	0.39	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Carbon disulfide	<2.9		2.9	0.24	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Carbon tetrachloride	<0.57		0.57	0.15	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Chlorobenzene	<0.57		0.57	0.082	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Chloroethane	<1.1		1.1	0.25	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Chloroform	<0.57		0.57	0.12	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Chloromethane	<1.1		1.1	0.26	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
cis-1,2-Dichloroethene	<0.57		0.57	0.070	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
cis-1,3-Dichloropropene	<0.57		0.57	0.10	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Dibromochloromethane	<1.1		1.1	0.20	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,1-Dichloroethane	<0.57		0.57	0.11	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,2-Dichloroethane	<0.57		0.57	0.16	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,1-Dichloroethene	<0.57		0.57	0.18	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,2-Dichloropropane	<0.57		0.57	0.11	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,3-Dichloropropene, Total	<0.57		0.57	0.10	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Ethylbenzene	65		0.14	0.072	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
2-Hexanone	<2.9		2.9	0.32	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Methylene Chloride	<2.9		2.9	0.39	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Methyl Ethyl Ketone	<2.9		2.9	0.84	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
methyl isobutyl ketone	<2.9		2.9	0.19	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Methyl tert-butyl ether	<1.1		1.1	0.25	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Styrene	<0.57		0.57	0.056	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,1,2,2-Tetrachloroethane	<0.57		0.57	0.13	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Tetrachloroethene	<0.57		0.57	0.095	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Toluene	4.2		0.14	0.066	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
trans-1,2-Dichloroethene	<0.57		0.57	0.14	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
trans-1,3-Dichloropropene	<0.57		0.57	0.12	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,1,1-Trichloroethane	<0.57		0.57	0.11	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
1,1,2-Trichloroethane	<0.57		0.57	0.16	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Trichloroethene	<0.29		0.29	0.11	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500
Vinyl chloride	<0.14		0.14	0.059	mg/Kg	☼	12/20/13 11:45	01/02/14 20:51	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 120	12/20/13 11:45	01/02/14 20:51	500
Dibromofluoromethane	91		75 - 120	12/20/13 11:45	01/02/14 20:51	500
1,2-Dichloroethane-d4 (Surr)	123		75 - 125	12/20/13 11:45	01/02/14 20:51	500
Toluene-d8 (Surr)	103		75 - 120	12/20/13 11:45	01/02/14 20:51	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	310		2.9	0.39	mg/Kg	☼	12/20/13 11:45	01/03/14 12:01	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120	12/20/13 11:45	01/03/14 12:01	5000
Dibromofluoromethane	92		75 - 120	12/20/13 11:45	01/03/14 12:01	5000
1,2-Dichloroethane-d4 (Surr)	98		75 - 125	12/20/13 11:45	01/03/14 12:01	5000

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220D

Lab Sample ID: 500-69043-21

Date Collected: 12/20/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		75 - 120	12/20/13 11:45	01/03/14 12:01	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.026	J	0.036	0.0064	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Benzo[a]pyrene	<0.036		0.036	0.0069	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Benzo[b]fluoranthene	<0.036		0.036	0.0077	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Chrysene	<0.036		0.036	0.0097	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Fluoranthene	0.019	J	0.036	0.0066	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Fluorene	0.049		0.036	0.0050	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220D

Lab Sample ID: 500-69043-21

Date Collected: 12/20/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2-Nitrophenol	<0.36		0.36	0.084	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Phenanthrene	0.23		0.036	0.0050	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
Pyrene	0.025	J	0.036	0.0071	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:08	01/08/14 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	01/02/14 07:08	01/08/14 13:33	1
2-Fluorophenol	78		25 - 110	01/02/14 07:08	01/08/14 13:33	1
Nitrobenzene-d5	90		25 - 115	01/02/14 07:08	01/08/14 13:33	1
Phenol-d5	76		31 - 110	01/02/14 07:08	01/08/14 13:33	1
Terphenyl-d14	86		36 - 134	01/02/14 07:08	01/08/14 13:33	1
2,4,6-Tribromophenol	121		35 - 137	01/02/14 07:08	01/08/14 13:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	20		0.71	0.13	mg/Kg	☼	01/02/14 07:08	01/08/14 15:26	20
Naphthalene	16		0.71	0.11	mg/Kg	☼	01/02/14 07:08	01/08/14 15:26	20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6	B	0.51	0.15	mg/Kg	☼	12/31/13 09:30	01/01/14 05:03	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: Trip Blank 122013

Lab Sample ID: 500-69043-22

Date Collected: 12/20/13 00:00

Matrix: Water

Date Received: 12/20/13 17:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			01/02/14 19:02	1
Benzene	<0.00050		0.00050	0.000074	mg/L			01/02/14 19:02	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			01/02/14 19:02	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			01/02/14 19:02	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			01/02/14 19:02	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			01/02/14 19:02	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			01/02/14 19:02	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			01/02/14 19:02	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			01/02/14 19:02	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			01/02/14 19:02	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			01/02/14 19:02	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			01/02/14 19:02	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			01/02/14 19:02	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			01/02/14 19:02	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			01/02/14 19:02	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			01/02/14 19:02	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			01/02/14 19:02	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			01/02/14 19:02	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			01/02/14 19:02	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			01/02/14 19:02	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			01/02/14 19:02	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			01/02/14 19:02	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			01/02/14 19:02	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			01/02/14 19:02	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			01/02/14 19:02	1
Styrene	<0.0010		0.0010	0.00010	mg/L			01/02/14 19:02	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			01/02/14 19:02	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			01/02/14 19:02	1
Toluene	<0.00050		0.00050	0.00011	mg/L			01/02/14 19:02	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			01/02/14 19:02	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			01/02/14 19:02	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			01/02/14 19:02	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			01/02/14 19:02	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			01/02/14 19:02	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			01/02/14 19:02	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			01/02/14 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120		01/02/14 19:02	1
Dibromofluoromethane	93		75 - 120		01/02/14 19:02	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 125		01/02/14 19:02	1
Toluene-d8 (Surr)	103		75 - 120		01/02/14 19:02	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07A-131220

Lab Sample ID: 500-69043-23

Date Collected: 12/20/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<32		32	8.4	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Benzene	<1.6		1.6	0.48	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Bromodichloromethane	<13		13	2.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Bromoform	<13		13	2.9	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Bromomethane	<13		13	4.4	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Carbon disulfide	<32		32	2.8	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Carbon tetrachloride	<6.5		6.5	1.7	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Chlorobenzene	<6.5		6.5	0.93	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Chloroethane	<13		13	2.8	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Chloroform	<6.5		6.5	1.3	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Chloromethane	<13		13	3.0	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
cis-1,2-Dichloroethene	<6.5		6.5	0.80	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
cis-1,3-Dichloropropene	<6.5		6.5	1.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Dibromochloromethane	<13		13	2.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,1-Dichloroethane	<6.5		6.5	1.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,2-Dichloroethane	<6.5		6.5	1.8	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,1-Dichloroethene	<6.5		6.5	2.0	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,2-Dichloropropane	<6.5		6.5	1.3	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,3-Dichloropropene, Total	<6.5		6.5	1.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Ethylbenzene	<1.6		1.6	0.82	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
2-Hexanone	<32		32	3.6	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Methylene Chloride	<32		32	4.4	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Methyl Ethyl Ketone	<32		32	9.5	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
methyl isobutyl ketone	<32		32	2.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Methyl tert-butyl ether	<13		13	2.8	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Styrene	<6.5		6.5	0.64	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,1,2,2-Tetrachloroethane	<6.5		6.5	1.5	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Tetrachloroethene	<6.5		6.5	1.1	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Toluene	<1.6		1.6	0.75	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
trans-1,2-Dichloroethene	<6.5		6.5	1.6	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
trans-1,3-Dichloropropene	<6.5		6.5	1.3	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,1,1-Trichloroethane	<6.5		6.5	1.3	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
1,1,2-Trichloroethane	<6.5		6.5	1.8	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Trichloroethene	<3.2		3.2	1.2	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Vinyl chloride	<1.6		1.6	0.67	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000
Xylenes, Total	<3.2		3.2	0.44	mg/Kg	☼	12/20/13 13:30	01/03/14 02:56	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		75 - 120	12/20/13 13:30	01/03/14 02:56	5000
Dibromofluoromethane	99		75 - 120	12/20/13 13:30	01/03/14 02:56	5000
1,2-Dichloroethane-d4 (Surr)	100		75 - 125	12/20/13 13:30	01/03/14 02:56	5000
Toluene-d8 (Surr)	102		75 - 120	12/20/13 13:30	01/03/14 02:56	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07A-131220

Lab Sample ID: 500-69043-23

Date Collected: 12/20/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4,6-Dinitro-2-methylphenol	<0.39		0.39	0.32	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Fluoranthene	0.029	J	0.039	0.0073	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Methylnaphthalene	0.48		0.039	0.0073	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Naphthalene	0.31		0.039	0.0061	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☆	01/02/14 07:04	01/07/14 21:19	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07A-131220

Lab Sample ID: 500-69043-23

Date Collected: 12/20/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Phenanthrene	0.074		0.039	0.0055	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
Pyrene	0.018 J		0.039	0.0079	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	01/02/14 07:04	01/07/14 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	59		25 - 119	01/02/14 07:04	01/07/14 21:19	1
2-Fluorophenol	56		25 - 110	01/02/14 07:04	01/07/14 21:19	1
Nitrobenzene-d5	59		25 - 115	01/02/14 07:04	01/07/14 21:19	1
Phenol-d5	58		31 - 110	01/02/14 07:04	01/07/14 21:19	1
Terphenyl-d14	70		36 - 134	01/02/14 07:04	01/07/14 21:19	1
2,4,6-Tribromophenol	59		35 - 137	01/02/14 07:04	01/07/14 21:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10 B		0.58	0.17	mg/Kg	☼	12/31/13 09:45	12/31/13 13:59	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Date Collected: 12/20/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<30		30	7.9	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Benzene	<1.5		1.5	0.45	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Bromodichloromethane	<12		12	2.0	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Bromoform	<12		12	2.7	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Bromomethane	<12		12	4.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Carbon disulfide	<30		30	2.6	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Carbon tetrachloride	<6.1		6.1	1.6	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Chlorobenzene	<6.1		6.1	0.87	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Chloroethane	<12		12	2.6	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Chloroform	<6.1		6.1	1.2	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Chloromethane	<12		12	2.8	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
cis-1,2-Dichloroethene	<6.1		6.1	0.75	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
cis-1,3-Dichloropropene	<6.1		6.1	1.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Dibromochloromethane	<12		12	2.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,1-Dichloroethane	<6.1		6.1	1.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,2-Dichloroethane	<6.1		6.1	1.7	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,1-Dichloroethene	<6.1		6.1	1.9	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,2-Dichloropropane	<6.1		6.1	1.2	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,3-Dichloropropene, Total	<6.1		6.1	1.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Ethylbenzene	8.4		1.5	0.76	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
2-Hexanone	<30		30	3.4	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Methylene Chloride	<30		30	4.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Methyl Ethyl Ketone	<30		30	8.9	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
methyl isobutyl ketone	<30		30	2.0	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Methyl tert-butyl ether	<12		12	2.6	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Styrene	<6.1		6.1	0.60	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.4	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Tetrachloroethene	<6.1		6.1	1.0	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Toluene	<1.5		1.5	0.70	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
trans-1,2-Dichloroethene	<6.1		6.1	1.5	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
trans-1,3-Dichloropropene	<6.1		6.1	1.3	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,1,1-Trichloroethane	<6.1		6.1	1.2	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
1,1,2-Trichloroethane	<6.1		6.1	1.7	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Trichloroethene	<3.0		3.0	1.1	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Vinyl chloride	<1.5		1.5	0.63	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000
Xylenes, Total	9.2		3.0	0.41	mg/Kg	☆	12/20/13 13:45	01/03/14 03:20	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 120	12/20/13 13:45	01/03/14 03:20	5000
Dibromofluoromethane	95		75 - 120	12/20/13 13:45	01/03/14 03:20	5000
1,2-Dichloroethane-d4 (Surr)	98		75 - 125	12/20/13 13:45	01/03/14 03:20	5000
Toluene-d8 (Surr)	102		75 - 120	12/20/13 13:45	01/03/14 03:20	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☆	01/02/14 07:04	01/07/14 21:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	01/02/14 07:04	01/07/14 21:42	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☆	01/02/14 07:04	01/07/14 21:42	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	01/02/14 07:04	01/07/14 21:42	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☆	01/02/14 07:04	01/07/14 21:42	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Date Collected: 12/20/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4,6-Dinitro-2-methylphenol	<0.39		0.39	0.31	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Fluoranthene	0.013	J	0.039	0.0073	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Methylnaphthalene	1.7		0.039	0.0072	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Naphthalene	0.55		0.039	0.0060	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Date Collected: 12/20/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Phenanthrene	0.045		0.039	0.0055	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
Pyrene	0.0091	J	0.039	0.0078	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	01/02/14 07:04	01/07/14 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	51		25 - 119	01/02/14 07:04	01/07/14 21:42	1
2-Fluorophenol	54		25 - 110	01/02/14 07:04	01/07/14 21:42	1
Nitrobenzene-d5	55		25 - 115	01/02/14 07:04	01/07/14 21:42	1
Phenol-d5	60		31 - 110	01/02/14 07:04	01/07/14 21:42	1
Terphenyl-d14	63		36 - 134	01/02/14 07:04	01/07/14 21:42	1
2,4,6-Tribromophenol	57		35 - 137	01/02/14 07:04	01/07/14 21:42	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11	B	0.62	0.18	mg/Kg	☼	12/31/13 09:45	12/31/13 14:05	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220D

Lab Sample ID: 500-69043-25

Date Collected: 12/20/13 13:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.25		0.25	0.064	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Benzene	<0.012		0.012	0.0037	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Bromodichloromethane	<0.099		0.099	0.017	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Bromoform	<0.099		0.099	0.022	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Bromomethane	<0.099		0.099	0.034	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Carbon disulfide	<0.25		0.25	0.021	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Carbon tetrachloride	<0.049		0.049	0.013	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Chlorobenzene	<0.049		0.049	0.0071	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Chloroethane	<0.099		0.099	0.021	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Chloroform	<0.049		0.049	0.010	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Chloromethane	<0.099		0.099	0.023	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
cis-1,2-Dichloroethene	<0.049		0.049	0.0061	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
cis-1,3-Dichloropropene	<0.049		0.049	0.0088	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Dibromochloromethane	<0.099		0.099	0.017	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,1-Dichloroethane	<0.049		0.049	0.0091	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,2-Dichloroethane	<0.049		0.049	0.014	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,1-Dichloroethene	<0.049		0.049	0.015	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,2-Dichloropropane	<0.049		0.049	0.0097	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,3-Dichloropropene, Total	<0.049		0.049	0.0088	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Ethylbenzene	3.7		0.012	0.0062	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
2-Hexanone	<0.25		0.25	0.028	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Methylene Chloride	<0.25		0.25	0.034	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Methyl Ethyl Ketone	<0.25		0.25	0.073	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
methyl isobutyl ketone	<0.25		0.25	0.016	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Methyl tert-butyl ether	<0.099		0.099	0.021	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Styrene	<0.049		0.049	0.0049	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,1,2,2-Tetrachloroethane	<0.049		0.049	0.012	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Tetrachloroethene	<0.049		0.049	0.0082	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Toluene	0.016		0.012	0.0057	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
trans-1,2-Dichloroethene	<0.049		0.049	0.012	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
trans-1,3-Dichloropropene	<0.049		0.049	0.010	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,1,1-Trichloroethane	<0.049		0.049	0.0099	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
1,1,2-Trichloroethane	<0.049		0.049	0.014	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Trichloroethene	<0.025		0.025	0.0092	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Vinyl chloride	<0.012		0.012	0.0051	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50
Xylenes, Total	5.3		0.025	0.0034	mg/Kg	☆	12/20/13 13:55	01/03/14 03:43	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 120	12/20/13 13:55	01/03/14 03:43	50
Dibromofluoromethane	96		75 - 120	12/20/13 13:55	01/03/14 03:43	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 125	12/20/13 13:55	01/03/14 03:43	50
Toluene-d8 (Surr)	106		75 - 120	12/20/13 13:55	01/03/14 03:43	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0064	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Benzo[a]pyrene	<0.036		0.036	0.0069	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220D

Lab Sample ID: 500-69043-25

Date Collected: 12/20/13 13:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0077	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Fluoranthene	0.019 J		0.036	0.0066	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Methylnaphthalene	1.1		0.036	0.0066	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Naphthalene	0.57		0.036	0.0055	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☆	01/02/14 07:04	01/07/14 22:05	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220D

Lab Sample ID: 500-69043-25

Date Collected: 12/20/13 13:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
Phenanthrene	0.040		0.036	0.0050	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
Pyrene	0.011 J		0.036	0.0071	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	01/02/14 07:04	01/07/14 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	43		25 - 119	01/02/14 07:04	01/07/14 22:05	1
2-Fluorophenol	47		25 - 110	01/02/14 07:04	01/07/14 22:05	1
Nitrobenzene-d5	45		25 - 115	01/02/14 07:04	01/07/14 22:05	1
Phenol-d5	49		31 - 110	01/02/14 07:04	01/07/14 22:05	1
Terphenyl-d14	50		36 - 134	01/02/14 07:04	01/07/14 22:05	1
2,4,6-Tribromophenol	40		35 - 137	01/02/14 07:04	01/07/14 22:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5 B		0.55	0.17	mg/Kg	☼	12/31/13 09:45	12/31/13 14:11	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04A-131220

Lab Sample ID: 500-69043-26

Date Collected: 12/20/13 14:25

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0051		0.0051	0.0022	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Benzene	<0.0051		0.0051	0.00070	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Bromodichloromethane	<0.0051		0.0051	0.00087	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Bromoform	<0.0051		0.0051	0.0012	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Bromomethane	<0.0051		0.0051	0.0015	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Carbon disulfide	<0.0051		0.0051	0.00076	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Carbon tetrachloride	<0.0051		0.0051	0.00092	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Chlorobenzene	<0.0051		0.0051	0.00052	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Chloroethane	<0.0051		0.0051	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Chloroform	<0.0051		0.0051	0.00058	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Chloromethane	<0.0051		0.0051	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.00072	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Dibromochloromethane	<0.0051		0.0051	0.00088	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,1-Dichloroethane	<0.0051		0.0051	0.00080	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,2-Dichloroethane	<0.0051		0.0051	0.00075	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,1,1-Dichloroethene	<0.0051		0.0051	0.00082	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,2-Dichloropropane	<0.0051		0.0051	0.00077	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,3-Dichloropropene, Total	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Ethylbenzene	0.028		0.0051	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
2-Hexanone	<0.0051		0.0051	0.0015	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Methylene Chloride	<0.0051		0.0051	0.0014	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Methyl Ethyl Ketone	<0.0051		0.0051	0.0018	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
methyl isobutyl ketone	<0.0051		0.0051	0.0013	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Methyl tert-butyl ether	<0.0051		0.0051	0.00084	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Styrene	<0.0051		0.0051	0.00067	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,1,1,2-Tetrachloroethane	<0.0051		0.0051	0.0010	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Tetrachloroethene	<0.0051		0.0051	0.00078	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Toluene	0.0043	J	0.0051	0.00071	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.00070	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.00091	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.00076	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00069	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Trichloroethene	<0.0051		0.0051	0.00084	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Vinyl chloride	<0.0051		0.0051	0.0011	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1
Xylenes, Total	0.067		0.010	0.00046	mg/Kg	☼	12/21/13 06:55	01/02/14 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	12/21/13 06:55	01/02/14 13:39	1
Dibromofluoromethane	92		75 - 120	12/21/13 06:55	01/02/14 13:39	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 134	12/21/13 06:55	01/02/14 13:39	1
Toluene-d8 (Surr)	103		75 - 122	12/21/13 06:55	01/02/14 13:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04A-131220

Lab Sample ID: 500-69043-26

Date Collected: 12/20/13 14:25

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4,6-Dinitro-2-methylphenol	<0.37		0.37	0.30	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☆	01/02/14 07:04	01/07/14 22:28	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04A-131220

Lab Sample ID: 500-69043-26

Date Collected: 12/20/13 14:25

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Phenanthrene	0.0082	J	0.037	0.0052	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	01/02/14 07:04	01/07/14 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		25 - 119	01/02/14 07:04	01/07/14 22:28	1
2-Fluorophenol	73		25 - 110	01/02/14 07:04	01/07/14 22:28	1
Nitrobenzene-d5	75		25 - 115	01/02/14 07:04	01/07/14 22:28	1
Phenol-d5	72		31 - 110	01/02/14 07:04	01/07/14 22:28	1
Terphenyl-d14	77		36 - 134	01/02/14 07:04	01/07/14 22:28	1
2,4,6-Tribromophenol	57		35 - 137	01/02/14 07:04	01/07/14 22:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9	B	0.49	0.15	mg/Kg	☼	12/31/13 09:45	12/31/13 14:17	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04B-131220

Lab Sample ID: 500-69043-27

Date Collected: 12/20/13 14:35

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<28		28	7.4	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Benzene	<1.4		1.4	0.42	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Bromodichloromethane	<11		11	1.9	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Bromoform	<11		11	2.5	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Bromomethane	<11		11	3.9	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Carbon disulfide	<28		28	2.4	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Carbon tetrachloride	<5.7		5.7	1.5	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Chlorobenzene	<5.7		5.7	0.81	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Chloroethane	<11		11	2.5	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Chloroform	<5.7		5.7	1.2	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Chloromethane	<11		11	2.6	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
cis-1,2-Dichloroethene	<5.7		5.7	0.70	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
cis-1,3-Dichloropropene	<5.7		5.7	1.0	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Dibromochloromethane	<11		11	2.0	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,1-Dichloroethane	<5.7		5.7	1.1	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,2-Dichloroethane	<5.7		5.7	1.6	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,1-Dichloroethene	<5.7		5.7	1.7	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,2-Dichloropropane	<5.7		5.7	1.1	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,3-Dichloropropene, Total	<5.7		5.7	1.0	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Ethylbenzene	51		1.4	0.72	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
2-Hexanone	<28		28	3.2	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Methylene Chloride	<28		28	3.9	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Methyl Ethyl Ketone	<28		28	8.4	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
methyl isobutyl ketone	<28		28	1.9	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Methyl tert-butyl ether	<11		11	2.4	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Styrene	<5.7		5.7	0.56	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.3	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Tetrachloroethene	<5.7		5.7	0.95	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Toluene	<1.4		1.4	0.65	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
trans-1,2-Dichloroethene	<5.7		5.7	1.4	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
trans-1,3-Dichloropropene	<5.7		5.7	1.2	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,1,1-Trichloroethane	<5.7		5.7	1.1	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
1,1,2-Trichloroethane	<5.7		5.7	1.6	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Trichloroethene	<2.8		2.8	1.1	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Vinyl chloride	<1.4		1.4	0.59	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000
Xylenes, Total	130		2.8	0.39	mg/Kg	☼	12/20/13 14:35	01/03/14 04:07	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 120	12/20/13 14:35	01/03/14 04:07	5000
Dibromofluoromethane	97		75 - 120	12/20/13 14:35	01/03/14 04:07	5000
1,2-Dichloroethane-d4 (Surr)	101		75 - 125	12/20/13 14:35	01/03/14 04:07	5000
Toluene-d8 (Surr)	106		75 - 120	12/20/13 14:35	01/03/14 04:07	5000

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.061		0.035	0.0064	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Anthracene	0.050		0.035	0.0059	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Benzo[a]anthracene	0.014	J	0.035	0.0048	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Benzo[a]pyrene	0.0070	J	0.035	0.0069	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04B-131220

Lab Sample ID: 500-69043-27

Date Collected: 12/20/13 14:35

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.0088	J	0.035	0.0076	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Benzo[g,h,i]perylene	0.012	J	0.035	0.011	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Chrysene	0.0097	J	0.035	0.0097	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.28	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Fluoranthene	0.053		0.035	0.0066	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Fluorene	0.10		0.035	0.0050	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Hexachlorobenzene	<0.071		0.071	0.0082	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Hexachlorocyclopentadiene	<0.71		0.71	0.20	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Naphthalene	1.6		0.035	0.0055	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
4-Nitrophenol	<0.71		0.71	0.34	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☆	01/02/14 07:04	01/07/14 22:51	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-04B-131220

Lab Sample ID: 500-69043-27

Date Collected: 12/20/13 14:35

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Pentachlorophenol	<0.71		0.71	0.57	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Phenanthrene	0.25		0.035	0.0049	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
Pyrene	0.068		0.035	0.0070	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	01/02/14 07:04	01/07/14 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	01/02/14 07:04	01/07/14 22:51	1
2-Fluorophenol	76		25 - 110	01/02/14 07:04	01/07/14 22:51	1
Nitrobenzene-d5	95		25 - 115	01/02/14 07:04	01/07/14 22:51	1
Phenol-d5	80		31 - 110	01/02/14 07:04	01/07/14 22:51	1
Terphenyl-d14	77		36 - 134	01/02/14 07:04	01/07/14 22:51	1
2,4,6-Tribromophenol	68		35 - 137	01/02/14 07:04	01/07/14 22:51	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	5.2		0.18	0.033	mg/Kg	☼	01/02/14 07:04	01/08/14 13:52	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.1	B	0.56	0.17	mg/Kg	☼	12/31/13 09:45	12/31/13 15:33	1

TestAmerica Chicago

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

GC/MS VOA

Prep Batch: 217834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	5035	
500-69043-3	GP-02A-131219	Total/NA	Solid	5035	
500-69043-5	GP-03A-131219	Total/NA	Solid	5035	
500-69043-7	GP-05A-131219	Total/NA	Solid	5035	
500-69043-9	GP-08A-131219	Total/NA	Solid	5035	
500-69043-11	GP-06A-131219	Total/NA	Solid	5035	
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	5035	
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	5035	
500-69043-15	GP-09A-131220	Total/NA	Solid	5035	
500-69043-16	GP-09B-131220	Total/NA	Solid	5035	
500-69043-17	GP-10A-131220	Total/NA	Solid	5035	
500-69043-18	GP-10B-131220	Total/NA	Solid	5035	
500-69043-19	GP-11A-131220	Total/NA	Solid	5035	
500-69043-26	GP-04A-131220	Total/NA	Solid	5035	
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	5035	
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	5035	

Prep Batch: 218172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-2 - DL	GP-01B-131219	Total/NA	Solid	5035	
500-69043-2	GP-01B-131219	Total/NA	Solid	5035	
500-69043-4	GP-02B-131219	Total/NA	Solid	5035	
500-69043-4 - DL	GP-02B-131219	Total/NA	Solid	5035	
500-69043-6 - DL	GP-03B-131219	Total/NA	Solid	5035	
500-69043-6	GP-03B-131219	Total/NA	Solid	5035	
500-69043-8 - DL	GP-05B-131219	Total/NA	Solid	5035	
500-69043-8	GP-05B-131219	Total/NA	Solid	5035	
500-69043-10	GP-08B-131219	Total/NA	Solid	5035	
500-69043-10 MS	GP-08B-131219	Total/NA	Solid	5035	
500-69043-10 MSD	GP-08B-131219	Total/NA	Solid	5035	
500-69043-12	GP-06B-131219	Total/NA	Solid	5035	
500-69043-13	GP-06B-131219D	Total/NA	Solid	5035	
500-69043-20	GP-11B-131220	Total/NA	Solid	5035	
500-69043-20 - DL	GP-11B-131220	Total/NA	Solid	5035	
500-69043-21	GP-11B-131220D	Total/NA	Solid	5035	
500-69043-21 - DL	GP-11B-131220D	Total/NA	Solid	5035	
500-69043-23	GP-07A-131220	Total/NA	Solid	5035	
500-69043-24	GP-07B-131220	Total/NA	Solid	5035	
500-69043-25	GP-07B-131220D	Total/NA	Solid	5035	
500-69043-27	GP-04B-131220	Total/NA	Solid	5035	

Analysis Batch: 218334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	8260B	217834
500-69043-3	GP-02A-131219	Total/NA	Solid	8260B	217834
500-69043-5	GP-03A-131219	Total/NA	Solid	8260B	217834
500-69043-7	GP-05A-131219	Total/NA	Solid	8260B	217834
500-69043-9	GP-08A-131219	Total/NA	Solid	8260B	217834
500-69043-11	GP-06A-131219	Total/NA	Solid	8260B	217834
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	8260B	217834
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	8260B	217834

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

GC/MS VOA (Continued)

Analysis Batch: 218334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-16	GP-09B-131220	Total/NA	Solid	8260B	217834
500-69043-17	GP-10A-131220	Total/NA	Solid	8260B	217834
500-69043-18	GP-10B-131220	Total/NA	Solid	8260B	217834
LCS 500-218334/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-218334/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 218369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-14	Trip Blank 121913	Total/NA	Water	8260B	
LCS 500-218369/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-218369/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 218455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-2	GP-01B-131219	Total/NA	Solid	8260B	218172
500-69043-2 - DL	GP-01B-131219	Total/NA	Solid	8260B	218172
500-69043-4	GP-02B-131219	Total/NA	Solid	8260B	218172
500-69043-4 - DL	GP-02B-131219	Total/NA	Solid	8260B	218172
500-69043-6	GP-03B-131219	Total/NA	Solid	8260B	218172
500-69043-6 - DL	GP-03B-131219	Total/NA	Solid	8260B	218172
500-69043-8	GP-05B-131219	Total/NA	Solid	8260B	218172
500-69043-10	GP-08B-131219	Total/NA	Solid	8260B	218172
500-69043-10 MS	GP-08B-131219	Total/NA	Solid	8260B	218172
500-69043-10 MSD	GP-08B-131219	Total/NA	Solid	8260B	218172
500-69043-12	GP-06B-131219	Total/NA	Solid	8260B	218172
500-69043-13	GP-06B-131219D	Total/NA	Solid	8260B	218172
LCS 500-218455/11	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-218455/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 218482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-15	GP-09A-131220	Total/NA	Solid	8260B	217834
500-69043-19	GP-11A-131220	Total/NA	Solid	8260B	217834
500-69043-26	GP-04A-131220	Total/NA	Solid	8260B	217834
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	8260B	217834
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	8260B	217834
LCS 500-218482/6	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-218482/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 500-218482/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 218487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-8 - DL	GP-05B-131219	Total/NA	Solid	8260B	218172
500-69043-20	GP-11B-131220	Total/NA	Solid	8260B	218172
500-69043-21	GP-11B-131220D	Total/NA	Solid	8260B	218172
LCS 500-218487/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-218487/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 218488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-22	Trip Blank 122013	Total/NA	Water	8260B	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

GC/MS VOA (Continued)

Analysis Batch: 218488 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-218488/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-218488/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 218601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-23	GP-07A-131220	Total/NA	Solid	8260B	218172
500-69043-24	GP-07B-131220	Total/NA	Solid	8260B	218172
500-69043-25	GP-07B-131220D	Total/NA	Solid	8260B	218172
500-69043-27	GP-04B-131220	Total/NA	Solid	8260B	218172
LCS 500-218601/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-218601/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 218642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-20 - DL	GP-11B-131220	Total/NA	Solid	8260B	218172
500-69043-21 - DL	GP-11B-131220D	Total/NA	Solid	8260B	218172
LCS 500-218642/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-218642/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 218462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-23	GP-07A-131220	Total/NA	Solid	3541	
500-69043-24	GP-07B-131220	Total/NA	Solid	3541	
500-69043-25	GP-07B-131220D	Total/NA	Solid	3541	
500-69043-26	GP-04A-131220	Total/NA	Solid	3541	
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	3541	
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	3541	
500-69043-27	GP-04B-131220	Total/NA	Solid	3541	
500-69043-27 - DL	GP-04B-131220	Total/NA	Solid	3541	
LCS 500-218462/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-218462/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 218463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	3541	
500-69043-2	GP-01B-131219	Total/NA	Solid	3541	
500-69043-3	GP-02A-131219	Total/NA	Solid	3541	
500-69043-4	GP-02B-131219	Total/NA	Solid	3541	
500-69043-5	GP-03A-131219	Total/NA	Solid	3541	
500-69043-6	GP-03B-131219	Total/NA	Solid	3541	
500-69043-7	GP-05A-131219	Total/NA	Solid	3541	
500-69043-8	GP-05B-131219	Total/NA	Solid	3541	
500-69043-9	GP-08A-131219	Total/NA	Solid	3541	
500-69043-10	GP-08B-131219	Total/NA	Solid	3541	
500-69043-11	GP-06A-131219	Total/NA	Solid	3541	
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	3541	
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	3541	
500-69043-12	GP-06B-131219	Total/NA	Solid	3541	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

GC/MS Semi VOA (Continued)

Prep Batch: 218463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-13	GP-06B-131219D	Total/NA	Solid	3541	
500-69043-15	GP-09A-131220	Total/NA	Solid	3541	
500-69043-16	GP-09B-131220	Total/NA	Solid	3541	
500-69043-17	GP-10A-131220	Total/NA	Solid	3541	
500-69043-18	GP-10B-131220	Total/NA	Solid	3541	
500-69043-19	GP-11A-131220	Total/NA	Solid	3541	
500-69043-20	GP-11B-131220	Total/NA	Solid	3541	
500-69043-20 - DL	GP-11B-131220	Total/NA	Solid	3541	
500-69043-21	GP-11B-131220D	Total/NA	Solid	3541	
500-69043-21 - DL	GP-11B-131220D	Total/NA	Solid	3541	
LCS 500-218463/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-218463/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 218566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-218462/2-A	Lab Control Sample	Total/NA	Solid	8270D	218462
LCS 500-218463/2-A	Lab Control Sample	Total/NA	Solid	8270D	218463
MB 500-218462/1-A	Method Blank	Total/NA	Solid	8270D	218462
MB 500-218463/1-A	Method Blank	Total/NA	Solid	8270D	218463

Analysis Batch: 218651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	8270D	218463
500-69043-2	GP-01B-131219	Total/NA	Solid	8270D	218463
500-69043-3	GP-02A-131219	Total/NA	Solid	8270D	218463
500-69043-5	GP-03A-131219	Total/NA	Solid	8270D	218463
500-69043-6	GP-03B-131219	Total/NA	Solid	8270D	218463
500-69043-7	GP-05A-131219	Total/NA	Solid	8270D	218463
500-69043-9	GP-08A-131219	Total/NA	Solid	8270D	218463
500-69043-10	GP-08B-131219	Total/NA	Solid	8270D	218463
500-69043-11	GP-06A-131219	Total/NA	Solid	8270D	218463
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	8270D	218463
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	8270D	218463
500-69043-12	GP-06B-131219	Total/NA	Solid	8270D	218463
500-69043-13	GP-06B-131219D	Total/NA	Solid	8270D	218463
500-69043-16	GP-09B-131220	Total/NA	Solid	8270D	218463

Analysis Batch: 218873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-23	GP-07A-131220	Total/NA	Solid	8270D	218462
500-69043-24	GP-07B-131220	Total/NA	Solid	8270D	218462
500-69043-25	GP-07B-131220D	Total/NA	Solid	8270D	218462
500-69043-26	GP-04A-131220	Total/NA	Solid	8270D	218462
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	8270D	218462
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	8270D	218462
500-69043-27	GP-04B-131220	Total/NA	Solid	8270D	218462

Analysis Batch: 219013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-4	GP-02B-131219	Total/NA	Solid	8270D	218463
500-69043-8	GP-05B-131219	Total/NA	Solid	8270D	218463

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

GC/MS Semi VOA (Continued)

Analysis Batch: 219013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-15	GP-09A-131220	Total/NA	Solid	8270D	218463
500-69043-17	GP-10A-131220	Total/NA	Solid	8270D	218463
500-69043-18	GP-10B-131220	Total/NA	Solid	8270D	218463
500-69043-19	GP-11A-131220	Total/NA	Solid	8270D	218463
500-69043-20	GP-11B-131220	Total/NA	Solid	8270D	218463
500-69043-20 - DL	GP-11B-131220	Total/NA	Solid	8270D	218463
500-69043-21	GP-11B-131220D	Total/NA	Solid	8270D	218463
500-69043-21 - DL	GP-11B-131220D	Total/NA	Solid	8270D	218463
500-69043-27 - DL	GP-04B-131220	Total/NA	Solid	8270D	218462

Metals

Prep Batch: 218329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	3050B	
500-69043-2	GP-01B-131219	Total/NA	Solid	3050B	
500-69043-3	GP-02A-131219	Total/NA	Solid	3050B	
500-69043-4	GP-02B-131219	Total/NA	Solid	3050B	
500-69043-5	GP-03A-131219	Total/NA	Solid	3050B	
500-69043-6	GP-03B-131219	Total/NA	Solid	3050B	
500-69043-7	GP-05A-131219	Total/NA	Solid	3050B	
500-69043-8	GP-05B-131219	Total/NA	Solid	3050B	
500-69043-9	GP-08A-131219	Total/NA	Solid	3050B	
500-69043-10	GP-08B-131219	Total/NA	Solid	3050B	
500-69043-11	GP-06A-131219	Total/NA	Solid	3050B	
500-69043-11 DU	GP-06A-131219	Total/NA	Solid	3050B	
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	3050B	
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	3050B	
500-69043-12	GP-06B-131219	Total/NA	Solid	3050B	
500-69043-13	GP-06B-131219D	Total/NA	Solid	3050B	
500-69043-15	GP-09A-131220	Total/NA	Solid	3050B	
500-69043-16	GP-09B-131220	Total/NA	Solid	3050B	
500-69043-17	GP-10A-131220	Total/NA	Solid	3050B	
500-69043-18	GP-10B-131220	Total/NA	Solid	3050B	
500-69043-19	GP-11A-131220	Total/NA	Solid	3050B	
500-69043-20	GP-11B-131220	Total/NA	Solid	3050B	
500-69043-21	GP-11B-131220D	Total/NA	Solid	3050B	
LCS 500-218329/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-218329/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 218336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-23	GP-07A-131220	Total/NA	Solid	3050B	
500-69043-24	GP-07B-131220	Total/NA	Solid	3050B	
500-69043-25	GP-07B-131220D	Total/NA	Solid	3050B	
500-69043-26	GP-04A-131220	Total/NA	Solid	3050B	
500-69043-26 DU	GP-04A-131220	Total/NA	Solid	3050B	
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	3050B	
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	3050B	
500-69043-27	GP-04B-131220	Total/NA	Solid	3050B	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Metals (Continued)

Prep Batch: 218336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-218336/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-218336/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 218473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-23	GP-07A-131220	Total/NA	Solid	6010B	218336
500-69043-24	GP-07B-131220	Total/NA	Solid	6010B	218336
500-69043-25	GP-07B-131220D	Total/NA	Solid	6010B	218336
500-69043-26	GP-04A-131220	Total/NA	Solid	6010B	218336
500-69043-26 DU	GP-04A-131220	Total/NA	Solid	6010B	218336
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	6010B	218336
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	6010B	218336
500-69043-27	GP-04B-131220	Total/NA	Solid	6010B	218336
LCS 500-218336/2-A	Lab Control Sample	Total/NA	Solid	6010B	218336
MB 500-218336/1-A	Method Blank	Total/NA	Solid	6010B	218336

Analysis Batch: 218474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	6010B	218329
500-69043-2	GP-01B-131219	Total/NA	Solid	6010B	218329
500-69043-3	GP-02A-131219	Total/NA	Solid	6010B	218329
500-69043-4	GP-02B-131219	Total/NA	Solid	6010B	218329
500-69043-5	GP-03A-131219	Total/NA	Solid	6010B	218329
500-69043-6	GP-03B-131219	Total/NA	Solid	6010B	218329
500-69043-7	GP-05A-131219	Total/NA	Solid	6010B	218329
500-69043-8	GP-05B-131219	Total/NA	Solid	6010B	218329
500-69043-9	GP-08A-131219	Total/NA	Solid	6010B	218329
500-69043-10	GP-08B-131219	Total/NA	Solid	6010B	218329
500-69043-11	GP-06A-131219	Total/NA	Solid	6010B	218329
500-69043-11 DU	GP-06A-131219	Total/NA	Solid	6010B	218329
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	6010B	218329
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	6010B	218329
500-69043-12	GP-06B-131219	Total/NA	Solid	6010B	218329
500-69043-13	GP-06B-131219D	Total/NA	Solid	6010B	218329
500-69043-15	GP-09A-131220	Total/NA	Solid	6010B	218329
500-69043-16	GP-09B-131220	Total/NA	Solid	6010B	218329
500-69043-17	GP-10A-131220	Total/NA	Solid	6010B	218329
500-69043-18	GP-10B-131220	Total/NA	Solid	6010B	218329
500-69043-19	GP-11A-131220	Total/NA	Solid	6010B	218329
500-69043-20	GP-11B-131220	Total/NA	Solid	6010B	218329
500-69043-21	GP-11B-131220D	Total/NA	Solid	6010B	218329
LCS 500-218329/2-A	Lab Control Sample	Total/NA	Solid	6010B	218329
MB 500-218329/1-A	Method Blank	Total/NA	Solid	6010B	218329

General Chemistry

Analysis Batch: 217924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-1	GP-01A-131219	Total/NA	Solid	Moisture	
500-69043-2	GP-01B-131219	Total/NA	Solid	Moisture	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

General Chemistry (Continued)

Analysis Batch: 217924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-69043-3	GP-02A-131219	Total/NA	Solid	Moisture	
500-69043-4	GP-02B-131219	Total/NA	Solid	Moisture	
500-69043-5	GP-03A-131219	Total/NA	Solid	Moisture	
500-69043-6	GP-03B-131219	Total/NA	Solid	Moisture	
500-69043-7	GP-05A-131219	Total/NA	Solid	Moisture	
500-69043-8	GP-05B-131219	Total/NA	Solid	Moisture	
500-69043-9	GP-08A-131219	Total/NA	Solid	Moisture	
500-69043-10	GP-08B-131219	Total/NA	Solid	Moisture	
500-69043-11	GP-06A-131219	Total/NA	Solid	Moisture	
500-69043-11 DU	GP-06A-131219	Total/NA	Solid	Moisture	
500-69043-11 MS	GP-06A-131219	Total/NA	Solid	Moisture	
500-69043-11 MSD	GP-06A-131219	Total/NA	Solid	Moisture	
500-69043-12	GP-06B-131219	Total/NA	Solid	Moisture	
500-69043-13	GP-06B-131219D	Total/NA	Solid	Moisture	
500-69043-15	GP-09A-131220	Total/NA	Solid	Moisture	
500-69043-16	GP-09B-131220	Total/NA	Solid	Moisture	
500-69043-17	GP-10A-131220	Total/NA	Solid	Moisture	
500-69043-18	GP-10B-131220	Total/NA	Solid	Moisture	
500-69043-19	GP-11A-131220	Total/NA	Solid	Moisture	
500-69043-20	GP-11B-131220	Total/NA	Solid	Moisture	
500-69043-21	GP-11B-131220D	Total/NA	Solid	Moisture	
500-69043-23	GP-07A-131220	Total/NA	Solid	Moisture	
500-69043-24	GP-07B-131220	Total/NA	Solid	Moisture	
500-69043-25	GP-07B-131220D	Total/NA	Solid	Moisture	
500-69043-26	GP-04A-131220	Total/NA	Solid	Moisture	
500-69043-26 DU	GP-04A-131220	Total/NA	Solid	Moisture	
500-69043-26 MS	GP-04A-131220	Total/NA	Solid	Moisture	
500-69043-26 MSD	GP-04A-131220	Total/NA	Solid	Moisture	
500-69043-27	GP-04B-131220	Total/NA	Solid	Moisture	

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-122)	DBFM (75-120)	12DCE (70-134)	TOL (75-122)
500-69043-1	GP-01A-131219	103	100	103	95
500-69043-3	GP-02A-131219	89	101	100	96
500-69043-5	GP-03A-131219	98	104	104	97
500-69043-7	GP-05A-131219	91	102	102	98
500-69043-9	GP-08A-131219	96	100	91	98
500-69043-11	GP-06A-131219	93	98	87	99
500-69043-11 MS	GP-06A-131219	95	90	86	104
500-69043-11 MSD	GP-06A-131219	92	94	83	104
500-69043-15	GP-09A-131220	92	97	87	95
500-69043-16	GP-09B-131220	96	97	86	98
500-69043-17	GP-10A-131220	94	96	91	99
500-69043-18	GP-10B-131220	92	94	90	96
500-69043-19	GP-11A-131220	94	101	94	96
500-69043-26	GP-04A-131220	89	92	81	103
500-69043-26 MS	GP-04A-131220	90	92	80	101
500-69043-26 MSD	GP-04A-131220	88	93	85	103
LCS 500-218334/6	Lab Control Sample	101	99	102	103
LCS 500-218482/6	Lab Control Sample	93	97	85	102
LCSD 500-218482/7	Lab Control Sample Dup	88	93	82	103
MB 500-218334/5	Method Blank	89	94	91	96
MB 500-218482/5	Method Blank	92	94	80	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-69043-2	GP-01B-131219	101	91	186 X	105
500-69043-2 - DL	GP-01B-131219	101	95	115	102
500-69043-4	GP-02B-131219	100	94	131 X	104
500-69043-4 - DL	GP-02B-131219	102	93	108	104
500-69043-6	GP-03B-131219	101	89	133 X	102
500-69043-6 - DL	GP-03B-131219	98	96	109	104
500-69043-8	GP-05B-131219	99	93	127 X	101
500-69043-8 - DL	GP-05B-131219	94	92	106	104
500-69043-10	GP-08B-131219	99	92	129 X	104
500-69043-10 MS	GP-08B-131219	99	97	131 X	103
500-69043-10 MSD	GP-08B-131219	100	98	126 X	104
500-69043-12	GP-06B-131219	98	92	150 X	101
500-69043-13	GP-06B-131219D	100	94	117	102
500-69043-20	GP-11B-131220	143 X	77	165 X	108
500-69043-20 - DL	GP-11B-131220	98	93	100	102

TestAmerica Chicago

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-69043-21	GP-11B-131220D	105	91	123	103
500-69043-21 - DL	GP-11B-131220D	96	92	98	105
500-69043-23	GP-07A-131220	109	99	100	102
500-69043-24	GP-07B-131220	107	95	98	102
500-69043-25	GP-07B-131220D	95	96	97	106
500-69043-27	GP-04B-131220	107	97	101	106
LCS 500-218455/11	Lab Control Sample	99	97	101	104
LCS 500-218487/4	Lab Control Sample	99	97	103	102
LCS 500-218601/4	Lab Control Sample	95	99	103	106
LCS 500-218642/4	Lab Control Sample	99	99	97	102
MB 500-218455/6	Method Blank	101	96	106	102
MB 500-218487/6	Method Blank	99	93	105	101
MB 500-218601/6	Method Blank	109	100	103	103
MB 500-218642/6	Method Blank	99	91	99	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-69043-14	Trip Blank 121913	99	92	101	104
500-69043-22	Trip Blank 122013	98	93	103	103
LCS 500-218369/4	Lab Control Sample	101	96	102	103
LCS 500-218488/4	Lab Control Sample	99	97	103	102
MB 500-218369/6	Method Blank	96	92	105	101
MB 500-218488/6	Method Blank	99	93	105	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (25-119)	2FP (25-110)	NBZ (25-115)	PHL (31-110)	TPH (36-134)	TBP (35-137)
500-69043-1	GP-01A-131219	77	77	70	83	87	84
500-69043-2	GP-01B-131219	79	56	69	61	69	97
500-69043-3	GP-02A-131219	86	74	77	83	87	102
500-69043-4	GP-02B-131219	122 X	96	98	100	104	121

TestAmerica Chicago

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (25-119)	2FP (25-110)	NBZ (25-115)	PHL (31-110)	TPH (36-134)	TBP (35-137)
500-69043-5	GP-03A-131219	87	73	79	85	87	106
500-69043-6	GP-03B-131219	70	56	64	66	69	110
500-69043-7	GP-05A-131219	81	58	74	81	79	96
500-69043-8	GP-05B-131219	104	91	78	95	95	94
500-69043-9	GP-08A-131219	82	72	78	88	84	101
500-69043-10	GP-08B-131219	77	72	75	81	78	95
500-69043-11	GP-06A-131219	83	69	83	89	83	114
500-69043-11 MS	GP-06A-131219	80	80	79	84	101	101
500-69043-11 MSD	GP-06A-131219	78	80	77	82	95	105
500-69043-12	GP-06B-131219	85	71	90	87	85	116
500-69043-13	GP-06B-131219D	83	75	67	82	86	107
500-69043-15	GP-09A-131220	81	71	75	83	82	111
500-69043-16	GP-09B-131220	72	61	68	79	76	95
500-69043-17	GP-10A-131220	65	61	60	73	70	71
500-69043-18	GP-10B-131220	78	70	72	81	84	93
500-69043-19	GP-11A-131220	73	72	72	86	81	106
500-69043-20	GP-11B-131220	62	63	70	73	78	101
500-69043-20 - DL	GP-11B-131220	83	74	67	76	101	93
500-69043-21	GP-11B-131220D	84	78	90	76	86	121
500-69043-21 - DL	GP-11B-131220D	85	68	67	39	98	72
500-69043-23	GP-07A-131220	59	56	59	58	70	59
500-69043-24	GP-07B-131220	51	54	55	60	63	57
500-69043-25	GP-07B-131220D	43	47	45	49	50	40
500-69043-26	GP-04A-131220	67	73	75	72	77	57
500-69043-26 MS	GP-04A-131220	63	69	68	67	70	51
500-69043-26 MSD	GP-04A-131220	71	77	79	77	75	69
500-69043-27	GP-04B-131220	77	76	95	80	77	68
500-69043-27 - DL	GP-04B-131220	94	80	84	83	100	96
LCS 500-218462/2-A	Lab Control Sample	84	87	86	88	89	93
LCS 500-218463/2-A	Lab Control Sample	81	65	72	89	98	99
MB 500-218462/1-A	Method Blank	81	84	79	83	90	91
MB 500-218463/1-A	Method Blank	84	72	77	76	102	86

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 500-69043-11 MS

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.028		0.0598	0.0736		mg/Kg	☼	76	50 - 138
Benzene	<0.0053		0.0598	0.0497		mg/Kg	☼	83	70 - 120
Bromodichloromethane	<0.0053		0.0598	0.0479		mg/Kg	☼	80	70 - 120
Bromoform	<0.0053		0.0598	0.0496		mg/Kg	☼	83	63 - 124
Bromomethane	<0.0053		0.0598	0.0513		mg/Kg	☼	86	50 - 150
Carbon disulfide	<0.0053		0.0598	0.0422		mg/Kg	☼	71	50 - 120
Carbon tetrachloride	<0.0053		0.0598	0.0424		mg/Kg	☼	71	63 - 124
Chlorobenzene	<0.0053		0.0598	0.0481		mg/Kg	☼	80	70 - 120
Chloroethane	<0.0053		0.0598	0.0464		mg/Kg	☼	78	50 - 150
Chloroform	<0.0053		0.0598	0.0471		mg/Kg	☼	79	70 - 120
Chloromethane	<0.0053		0.0598	0.0525		mg/Kg	☼	88	50 - 130
cis-1,2-Dichloroethene	<0.0053		0.0598	0.0493		mg/Kg	☼	82	70 - 120
cis-1,3-Dichloropropene	<0.0053		0.0598	0.0454		mg/Kg	☼	76	70 - 120
Dibromochloromethane	<0.0053		0.0598	0.0490		mg/Kg	☼	82	70 - 120
1,1-Dichloroethane	<0.0053		0.0598	0.0491		mg/Kg	☼	82	67 - 120
1,2-Dichloroethane	<0.0053		0.0598	0.0446		mg/Kg	☼	75	68 - 123
1,1-Dichloroethene	<0.0053		0.0598	0.0434		mg/Kg	☼	73	53 - 122
1,2-Dichloropropane	<0.0053		0.0598	0.0511		mg/Kg	☼	85	70 - 120
Ethylbenzene	<0.0053		0.0598	0.0472		mg/Kg	☼	79	70 - 120
2-Hexanone	<0.0053		0.0598	0.0544		mg/Kg	☼	91	64 - 130
Methylene Chloride	<0.0053		0.0598	0.0561		mg/Kg	☼	94	65 - 124
Methyl Ethyl Ketone	0.0072		0.0598	0.0600		mg/Kg	☼	88	58 - 133
methyl isobutyl ketone	<0.0053		0.0598	0.0531		mg/Kg	☼	89	68 - 126
Methyl tert-butyl ether	<0.0053		0.0598	0.0456		mg/Kg	☼	76	62 - 123
Styrene	<0.0053		0.0598	0.0475		mg/Kg	☼	79	75 - 120
1,1,2,2-Tetrachloroethane	<0.0053		0.0598	0.0475		mg/Kg	☼	79	70 - 125
Tetrachloroethene	<0.0053		0.0598	0.0453		mg/Kg	☼	76	70 - 120
Toluene	0.0030	J	0.0598	0.0529		mg/Kg	☼	83	70 - 120
trans-1,2-Dichloroethene	<0.0053		0.0598	0.0461		mg/Kg	☼	77	68 - 125
trans-1,3-Dichloropropene	<0.0053		0.0598	0.0456		mg/Kg	☼	76	68 - 120
1,1,1-Trichloroethane	<0.0053		0.0598	0.0428		mg/Kg	☼	72	66 - 127
1,1,2-Trichloroethane	<0.0053		0.0598	0.0499		mg/Kg	☼	83	70 - 120
Trichloroethene	<0.0053		0.0598	0.0482		mg/Kg	☼	80	70 - 120
Vinyl chloride	<0.0053		0.0598	0.0483		mg/Kg	☼	81	61 - 137
Xylenes, Total	<0.011		0.120	0.0945		mg/Kg	☼	79	70 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 122
Dibromofluoromethane	90		75 - 120
1,2-Dichloroethane-d4 (Surr)	86		70 - 134
Toluene-d8 (Surr)	104		75 - 122

Lab Sample ID: 500-69043-11 MSD

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acetone	0.028		0.0621	0.0473	F1 F2	mg/Kg	☼	31	50 - 138	43	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-11 MSD

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.0053		0.0621	0.0589		mg/Kg	☼	95	70 - 120	17	30
Bromodichloromethane	<0.0053		0.0621	0.0557		mg/Kg	☼	90	70 - 120	15	30
Bromoform	<0.0053		0.0621	0.0561		mg/Kg	☼	90	63 - 124	12	30
Bromomethane	<0.0053		0.0621	0.0510		mg/Kg	☼	82	50 - 150	1	30
Carbon disulfide	<0.0053		0.0621	0.0542		mg/Kg	☼	87	50 - 120	25	30
Carbon tetrachloride	<0.0053		0.0621	0.0550		mg/Kg	☼	89	63 - 124	26	30
Chlorobenzene	<0.0053		0.0621	0.0571		mg/Kg	☼	92	70 - 120	17	30
Chloroethane	<0.0053		0.0621	0.0490		mg/Kg	☼	79	50 - 150	5	30
Chloroform	<0.0053		0.0621	0.0568		mg/Kg	☼	92	70 - 120	19	30
Chloromethane	<0.0053		0.0621	0.0558		mg/Kg	☼	90	50 - 130	6	30
cis-1,2-Dichloroethene	<0.0053		0.0621	0.0600		mg/Kg	☼	97	70 - 120	20	30
cis-1,3-Dichloropropene	<0.0053		0.0621	0.0517		mg/Kg	☼	83	70 - 120	13	30
Dibromochloromethane	<0.0053		0.0621	0.0579		mg/Kg	☼	93	70 - 120	17	30
1,1-Dichloroethane	<0.0053		0.0621	0.0595		mg/Kg	☼	96	67 - 120	19	30
1,2-Dichloroethane	<0.0053		0.0621	0.0520		mg/Kg	☼	84	68 - 123	15	30
1,1-Dichloroethene	<0.0053		0.0621	0.0550		mg/Kg	☼	89	53 - 122	24	30
1,2-Dichloropropane	<0.0053		0.0621	0.0601		mg/Kg	☼	97	70 - 120	16	30
Ethylbenzene	<0.0053		0.0621	0.0572		mg/Kg	☼	92	70 - 120	19	30
2-Hexanone	<0.0053		0.0621	0.0507		mg/Kg	☼	82	64 - 130	7	30
Methylene Chloride	<0.0053		0.0621	0.0649		mg/Kg	☼	105	65 - 124	14	30
Methyl Ethyl Ketone	0.0072		0.0621	0.0473		mg/Kg	☼	65	58 - 133	24	30
methyl isobutyl ketone	<0.0053		0.0621	0.0482		mg/Kg	☼	78	68 - 126	10	30
Methyl tert-butyl ether	<0.0053		0.0621	0.0565		mg/Kg	☼	91	62 - 123	21	30
Styrene	<0.0053		0.0621	0.0572		mg/Kg	☼	92	75 - 120	18	30
1,1,2,2-Tetrachloroethane	<0.0053		0.0621	0.0497		mg/Kg	☼	80	70 - 125	5	30
Tetrachloroethene	<0.0053		0.0621	0.0533		mg/Kg	☼	86	70 - 120	16	30
Toluene	0.0030	J	0.0621	0.0584		mg/Kg	☼	89	70 - 120	10	30
trans-1,2-Dichloroethene	<0.0053		0.0621	0.0585		mg/Kg	☼	94	68 - 125	24	30
trans-1,3-Dichloropropene	<0.0053		0.0621	0.0490		mg/Kg	☼	79	68 - 120	7	30
1,1,1-Trichloroethane	<0.0053		0.0621	0.0550		mg/Kg	☼	89	66 - 127	25	30
1,1,2-Trichloroethane	<0.0053		0.0621	0.0537		mg/Kg	☼	86	70 - 120	7	30
Trichloroethene	<0.0053		0.0621	0.0579		mg/Kg	☼	93	70 - 120	18	30
Vinyl chloride	<0.0053		0.0621	0.0527		mg/Kg	☼	85	61 - 137	9	30
Xylenes, Total	<0.011		0.124	0.114		mg/Kg	☼	92	70 - 120	19	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 122
Dibromofluoromethane	94		75 - 120
1,2-Dichloroethane-d4 (Surr)	83		70 - 134
Toluene-d8 (Surr)	104		75 - 122

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.0051		0.0502	0.0251		mg/Kg	☼	50	50 - 138
Benzene	<0.0051		0.0502	0.0384		mg/Kg	☼	76	70 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	<0.0051		0.0502	0.0368		mg/Kg	☼	73	70 - 120
Bromoform	<0.0051		0.0502	0.0373		mg/Kg	☼	74	63 - 124
Bromomethane	<0.0051		0.0502	0.0435		mg/Kg	☼	87	50 - 150
Carbon disulfide	<0.0051		0.0502	0.0337		mg/Kg	☼	67	50 - 120
Carbon tetrachloride	<0.0051		0.0502	0.0344		mg/Kg	☼	68	63 - 124
Chlorobenzene	<0.0051		0.0502	0.0376		mg/Kg	☼	75	70 - 120
Chloroethane	<0.0051		0.0502	0.0347		mg/Kg	☼	69	50 - 150
Chloroform	<0.0051		0.0502	0.0373		mg/Kg	☼	74	70 - 120
Chloromethane	<0.0051		0.0502	0.0377		mg/Kg	☼	75	50 - 130
cis-1,2-Dichloroethene	<0.0051		0.0502	0.0393		mg/Kg	☼	78	70 - 120
cis-1,3-Dichloropropene	<0.0051		0.0502	0.0342	F1	mg/Kg	☼	68	70 - 120
Dibromochloromethane	<0.0051		0.0502	0.0373		mg/Kg	☼	74	70 - 120
1,1-Dichloroethane	<0.0051		0.0502	0.0379		mg/Kg	☼	75	67 - 120
1,2-Dichloroethane	<0.0051		0.0502	0.0331	F1	mg/Kg	☼	66	68 - 123
1,1-Dichloroethene	<0.0051		0.0502	0.0344		mg/Kg	☼	69	53 - 122
1,2-Dichloropropane	<0.0051		0.0502	0.0386		mg/Kg	☼	77	70 - 120
Ethylbenzene	0.028		0.0502	0.0368	F1	mg/Kg	☼	18	70 - 120
2-Hexanone	<0.0051		0.0502	0.0318	F1	mg/Kg	☼	63	64 - 130
Methylene Chloride	<0.0051		0.0502	0.0409		mg/Kg	☼	82	65 - 124
Methyl Ethyl Ketone	<0.0051		0.0502	0.0287	F1	mg/Kg	☼	57	58 - 133
methyl isobutyl ketone	<0.0051		0.0502	0.0329	F1	mg/Kg	☼	66	68 - 126
Methyl tert-butyl ether	<0.0051		0.0502	0.0352		mg/Kg	☼	70	62 - 123
Styrene	<0.0051		0.0502	0.0375		mg/Kg	☼	75	75 - 120
1,1,2,2-Tetrachloroethane	<0.0051		0.0502	0.0344	F1	mg/Kg	☼	69	70 - 125
Tetrachloroethene	<0.0051		0.0502	0.0370		mg/Kg	☼	74	70 - 120
Toluene	0.0043	J	0.0502	0.0392	F1	mg/Kg	☼	69	70 - 120
trans-1,2-Dichloroethene	<0.0051		0.0502	0.0376		mg/Kg	☼	75	68 - 125
trans-1,3-Dichloropropene	<0.0051		0.0502	0.0341		mg/Kg	☼	68	68 - 120
1,1,1-Trichloroethane	<0.0051		0.0502	0.0345		mg/Kg	☼	69	66 - 127
1,1,2-Trichloroethane	<0.0051		0.0502	0.0354		mg/Kg	☼	71	70 - 120
Trichloroethene	<0.0051		0.0502	0.0387		mg/Kg	☼	77	70 - 120
Vinyl chloride	<0.0051		0.0502	0.0361		mg/Kg	☼	72	61 - 137
Xylenes, Total	0.067		0.100	0.0734	F1	mg/Kg	☼	6	70 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 122
Dibromofluoromethane	92		75 - 120
1,2-Dichloroethane-d4 (Surr)	80		70 - 134
Toluene-d8 (Surr)	101		75 - 122

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acetone	<0.0051		0.0477	0.0465	F2	mg/Kg	☼	97	50 - 138	60	30
Benzene	<0.0051		0.0477	0.0325	F1	mg/Kg	☼	68	70 - 120	17	30
Bromodichloromethane	<0.0051		0.0477	0.0309	F1	mg/Kg	☼	65	70 - 120	17	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 217834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.0051		0.0477	0.0312		mg/Kg	✱	65	63 - 124	18	30
Bromomethane	<0.0051		0.0477	0.0381		mg/Kg	✱	80	50 - 150	13	30
Carbon disulfide	<0.0051		0.0477	0.0284		mg/Kg	✱	60	50 - 120	17	30
Carbon tetrachloride	<0.0051		0.0477	0.0303		mg/Kg	✱	64	63 - 124	13	30
Chlorobenzene	<0.0051		0.0477	0.0314	F1	mg/Kg	✱	66	70 - 120	18	30
Chloroethane	<0.0051		0.0477	0.0379		mg/Kg	✱	79	50 - 150	9	30
Chloroform	<0.0051		0.0477	0.0318	F1	mg/Kg	✱	67	70 - 120	16	30
Chloromethane	<0.0051		0.0477	0.0368		mg/Kg	✱	77	50 - 130	2	30
cis-1,2-Dichloroethene	<0.0051		0.0477	0.0338		mg/Kg	✱	71	70 - 120	15	30
cis-1,3-Dichloropropene	<0.0051		0.0477	0.0299	F1	mg/Kg	✱	63	70 - 120	13	30
Dibromochloromethane	<0.0051		0.0477	0.0320	F1	mg/Kg	✱	67	70 - 120	15	30
1,1-Dichloroethane	<0.0051		0.0477	0.0330		mg/Kg	✱	69	67 - 120	14	30
1,2-Dichloroethane	<0.0051		0.0477	0.0286	F1	mg/Kg	✱	60	68 - 123	15	30
1,1-Dichloroethene	<0.0051		0.0477	0.0289		mg/Kg	✱	61	53 - 122	17	30
1,2-Dichloropropane	<0.0051		0.0477	0.0325	F1	mg/Kg	✱	68	70 - 120	17	30
Ethylbenzene	0.028		0.0477	0.0305	F1	mg/Kg	✱	6	70 - 120	19	30
2-Hexanone	<0.0051		0.0477	0.0393		mg/Kg	✱	82	64 - 130	21	30
Methylene Chloride	<0.0051		0.0477	0.0370		mg/Kg	✱	78	65 - 124	10	30
Methyl Ethyl Ketone	<0.0051		0.0477	0.0480	F2	mg/Kg	✱	100	58 - 133	50	30
methyl isobutyl ketone	<0.0051		0.0477	0.0391		mg/Kg	✱	82	68 - 126	17	30
Methyl tert-butyl ether	<0.0051		0.0477	0.0313		mg/Kg	✱	66	62 - 123	12	30
Styrene	<0.0051		0.0477	0.0308	F1	mg/Kg	✱	65	75 - 120	20	30
1,1,2,2-Tetrachloroethane	<0.0051		0.0477	0.0280	F1	mg/Kg	✱	59	70 - 125	21	30
Tetrachloroethene	<0.0051		0.0477	0.0306	F1	mg/Kg	✱	64	70 - 120	19	30
Toluene	0.0043	J	0.0477	0.0347	F1	mg/Kg	✱	64	70 - 120	12	30
trans-1,2-Dichloroethene	<0.0051		0.0477	0.0317	F1	mg/Kg	✱	66	68 - 125	17	30
trans-1,3-Dichloropropene	<0.0051		0.0477	0.0285	F1	mg/Kg	✱	60	68 - 120	18	30
1,1,1-Trichloroethane	<0.0051		0.0477	0.0302	F1	mg/Kg	✱	63	66 - 127	13	30
1,1,2-Trichloroethane	<0.0051		0.0477	0.0302	F1	mg/Kg	✱	63	70 - 120	16	30
Trichloroethene	<0.0051		0.0477	0.0325	F1	mg/Kg	✱	68	70 - 120	17	30
Vinyl chloride	<0.0051		0.0477	0.0351		mg/Kg	✱	74	61 - 137	3	30
Xylenes, Total	0.067		0.0955	0.0609	F1	mg/Kg	✱	-6	70 - 120	19	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 122
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 134
Toluene-d8 (Surr)	103		75 - 122

Lab Sample ID: 500-69043-10 MS

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: GP-08B-131219

Prep Type: Total/NA

Prep Batch: 218172

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.24		2.36	2.23		mg/Kg	✱	95	46 - 153
Benzene	<0.012		2.36	2.34		mg/Kg	✱	99	70 - 120
Bromodichloromethane	<0.094		2.36	2.83		mg/Kg	✱	120	70 - 120
Bromoform	<0.094		2.36	2.38		mg/Kg	✱	101	70 - 125

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-10 MS

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: GP-08B-131219

Prep Type: Total/NA

Prep Batch: 218172

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	<0.094		2.36	2.42		mg/Kg	☼	103	50 - 150
Carbon disulfide	<0.24		2.36	2.32		mg/Kg	☼	98	50 - 120
Carbon tetrachloride	<0.047		2.36	2.49		mg/Kg	☼	106	70 - 125
Chlorobenzene	<0.047		2.36	2.43		mg/Kg	☼	103	70 - 120
Chloroethane	<0.094		2.36	2.48		mg/Kg	☼	105	50 - 150
Chloroform	<0.047		2.36	2.57		mg/Kg	☼	109	70 - 120
Chloromethane	<0.094		2.36	2.37		mg/Kg	☼	101	50 - 134
cis-1,2-Dichloroethene	<0.047		2.36	2.45		mg/Kg	☼	104	70 - 120
cis-1,3-Dichloropropene	<0.047		2.36	2.58		mg/Kg	☼	109	70 - 120
Dibromochloromethane	<0.094		2.36	2.65		mg/Kg	☼	112	70 - 120
1,1-Dichloroethane	<0.047		2.36	2.50		mg/Kg	☼	106	68 - 121
1,2-Dichloroethane	<0.047		2.36	2.51		mg/Kg	☼	107	69 - 120
1,1-Dichloroethene	<0.047		2.36	2.35		mg/Kg	☼	100	58 - 122
1,2-Dichloropropane	<0.047		2.36	2.50		mg/Kg	☼	106	70 - 120
Ethylbenzene	2.4		2.36	5.04		mg/Kg	☼	111	75 - 120
2-Hexanone	<0.24		2.36	2.25		mg/Kg	☼	95	55 - 144
Methylene Chloride	<0.24		2.36	2.36		mg/Kg	☼	100	65 - 125
Methyl Ethyl Ketone	<0.24		2.36	2.29		mg/Kg	☼	97	54 - 138
methyl isobutyl ketone	<0.24		2.36	2.48		mg/Kg	☼	105	59 - 135
Methyl tert-butyl ether	<0.094		2.36	2.57		mg/Kg	☼	109	58 - 122
Styrene	<0.047		2.36	2.67		mg/Kg	☼	113	75 - 120
1,1,2,2-Tetrachloroethane	<0.047		2.36	2.83		mg/Kg	☼	120	70 - 128
Tetrachloroethene	<0.047		2.36	2.41		mg/Kg	☼	102	70 - 123
Toluene	0.027		2.36	2.52		mg/Kg	☼	106	70 - 120
trans-1,2-Dichloroethene	<0.047		2.36	2.42		mg/Kg	☼	103	70 - 124
trans-1,3-Dichloropropene	<0.047		2.36	2.62		mg/Kg	☼	111	70 - 120
1,1,1-Trichloroethane	<0.047		2.36	2.45		mg/Kg	☼	104	70 - 123
1,1,2-Trichloroethane	<0.047		2.36	2.48		mg/Kg	☼	105	69 - 120
Trichloroethene	<0.024		2.36	2.40		mg/Kg	☼	102	70 - 120
Vinyl chloride	<0.012		2.36	2.46		mg/Kg	☼	104	62 - 138
Xylenes, Total	4.1		4.71	9.39		mg/Kg	☼	113	70 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	131	X	75 - 125
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: 500-69043-10 MSD

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: GP-08B-131219

Prep Type: Total/NA

Prep Batch: 218172

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acetone	<0.24		2.36	2.33		mg/Kg	☼	99	46 - 153	4	30
Benzene	<0.012		2.36	2.35		mg/Kg	☼	100	70 - 120	0	30
Bromodichloromethane	<0.094		2.36	2.84		mg/Kg	☼	120	70 - 120	0	30
Bromoform	<0.094		2.36	2.21		mg/Kg	☼	94	70 - 125	7	30
Bromomethane	<0.094		2.36	2.43		mg/Kg	☼	103	50 - 150	0	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-10 MSD

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: GP-08B-131219

Prep Type: Total/NA

Prep Batch: 218172

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	<0.24		2.36	2.35		mg/Kg	☼	100	50 - 120	1	30
Carbon tetrachloride	<0.047		2.36	2.50		mg/Kg	☼	106	70 - 125	0	30
Chlorobenzene	<0.047		2.36	2.40		mg/Kg	☼	102	70 - 120	1	30
Chloroethane	<0.094		2.36	2.39		mg/Kg	☼	102	50 - 150	4	30
Chloroform	<0.047		2.36	2.54		mg/Kg	☼	108	70 - 120	1	30
Chloromethane	<0.094		2.36	2.37		mg/Kg	☼	100	50 - 134	0	30
cis-1,2-Dichloroethene	<0.047		2.36	2.46		mg/Kg	☼	104	70 - 120	0	30
cis-1,3-Dichloropropene	<0.047		2.36	2.59		mg/Kg	☼	110	70 - 120	0	30
Dibromochloromethane	<0.094		2.36	2.57		mg/Kg	☼	109	70 - 120	3	30
1,1-Dichloroethane	<0.047		2.36	2.50		mg/Kg	☼	106	68 - 121	0	30
1,2-Dichloroethane	<0.047		2.36	2.47		mg/Kg	☼	105	69 - 120	2	30
1,1-Dichloroethene	<0.047		2.36	2.37		mg/Kg	☼	101	58 - 122	1	30
1,2-Dichloropropane	<0.047		2.36	2.46		mg/Kg	☼	105	70 - 120	1	30
Ethylbenzene	2.4		2.36	5.01		mg/Kg	☼	110	75 - 120	1	30
2-Hexanone	<0.24		2.36	2.09		mg/Kg	☼	89	55 - 144	7	30
Methylene Chloride	<0.24		2.36	2.33		mg/Kg	☼	99	65 - 125	1	30
Methyl Ethyl Ketone	<0.24		2.36	2.27		mg/Kg	☼	96	54 - 138	1	30
methyl isobutyl ketone	<0.24		2.36	2.40		mg/Kg	☼	102	59 - 135	3	30
Methyl tert-butyl ether	<0.094		2.36	2.53		mg/Kg	☼	107	58 - 122	2	30
Styrene	<0.047		2.36	2.60		mg/Kg	☼	110	75 - 120	3	30
1,1,2,2-Tetrachloroethane	<0.047		2.36	2.69		mg/Kg	☼	114	70 - 128	5	30
Tetrachloroethene	<0.047		2.36	2.37		mg/Kg	☼	101	70 - 123	2	30
Toluene	0.027		2.36	2.55		mg/Kg	☼	107	70 - 120	1	30
trans-1,2-Dichloroethene	<0.047		2.36	2.39		mg/Kg	☼	101	70 - 124	1	30
trans-1,3-Dichloropropene	<0.047		2.36	2.54		mg/Kg	☼	108	70 - 120	3	30
1,1,1-Trichloroethane	<0.047		2.36	2.47		mg/Kg	☼	105	70 - 123	1	30
1,1,2-Trichloroethane	<0.047		2.36	2.41		mg/Kg	☼	102	69 - 120	3	30
Trichloroethene	<0.024		2.36	2.43		mg/Kg	☼	103	70 - 120	1	30
Vinyl chloride	<0.012		2.36	2.47		mg/Kg	☼	105	62 - 138	1	30
Xylenes, Total	4.1		4.71	9.32		mg/Kg	☼	111	70 - 120	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	126	X	75 - 125
Toluene-d8 (Surr)	104		75 - 120

Lab Sample ID: MB 500-218334/5

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0022	mg/Kg			12/31/13 12:10	1
Benzene	<0.0050		0.0050	0.00069	mg/Kg			12/31/13 12:10	1
Bromodichloromethane	<0.0050		0.0050	0.00086	mg/Kg			12/31/13 12:10	1
Bromoform	<0.0050		0.0050	0.0012	mg/Kg			12/31/13 12:10	1
Bromomethane	<0.0050		0.0050	0.0015	mg/Kg			12/31/13 12:10	1
Carbon disulfide	<0.0050		0.0050	0.00075	mg/Kg			12/31/13 12:10	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218334/5

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.0050		0.0050	0.00091	mg/Kg			12/31/13 12:10	1
Chlorobenzene	<0.0050		0.0050	0.00051	mg/Kg			12/31/13 12:10	1
Chloroethane	<0.0050		0.0050	0.0014	mg/Kg			12/31/13 12:10	1
Chloroform	<0.0050		0.0050	0.00058	mg/Kg			12/31/13 12:10	1
Chloromethane	<0.0050		0.0050	0.0011	mg/Kg			12/31/13 12:10	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.00071	mg/Kg			12/31/13 12:10	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.00066	mg/Kg			12/31/13 12:10	1
Dibromochloromethane	<0.0050		0.0050	0.00087	mg/Kg			12/31/13 12:10	1
1,1-Dichloroethane	<0.0050		0.0050	0.00079	mg/Kg			12/31/13 12:10	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg			12/31/13 12:10	1
1,1-Dichloroethene	<0.0050		0.0050	0.00081	mg/Kg			12/31/13 12:10	1
1,2-Dichloropropane	<0.0050		0.0050	0.00076	mg/Kg			12/31/13 12:10	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.00066	mg/Kg			12/31/13 12:10	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg			12/31/13 12:10	1
2-Hexanone	<0.0050		0.0050	0.0014	mg/Kg			12/31/13 12:10	1
Methylene Chloride	<0.0050		0.0050	0.0014	mg/Kg			12/31/13 12:10	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0018	mg/Kg			12/31/13 12:10	1
methyl isobutyl ketone	<0.0050		0.0050	0.0013	mg/Kg			12/31/13 12:10	1
Methyl tert-butyl ether	<0.0050		0.0050	0.00083	mg/Kg			12/31/13 12:10	1
Styrene	<0.0050		0.0050	0.00066	mg/Kg			12/31/13 12:10	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010	mg/Kg			12/31/13 12:10	1
Tetrachloroethene	<0.0050		0.0050	0.00076	mg/Kg			12/31/13 12:10	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg			12/31/13 12:10	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.00069	mg/Kg			12/31/13 12:10	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.00090	mg/Kg			12/31/13 12:10	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.00075	mg/Kg			12/31/13 12:10	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00068	mg/Kg			12/31/13 12:10	1
Trichloroethene	<0.0050		0.0050	0.00083	mg/Kg			12/31/13 12:10	1
Vinyl chloride	<0.0050		0.0050	0.0011	mg/Kg			12/31/13 12:10	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg			12/31/13 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122		12/31/13 12:10	1
Dibromofluoromethane	94		75 - 120		12/31/13 12:10	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134		12/31/13 12:10	1
Toluene-d8 (Surr)	96		75 - 122		12/31/13 12:10	1

Lab Sample ID: LCS 500-218334/6

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0564		mg/Kg		113	50 - 138
Benzene	0.0500	0.0493		mg/Kg		99	70 - 120
Bromodichloromethane	0.0500	0.0494		mg/Kg		99	70 - 120
Bromoform	0.0500	0.0469		mg/Kg		94	63 - 124
Bromomethane	0.0500	0.0586		mg/Kg		117	50 - 150
Carbon disulfide	0.0500	0.0459		mg/Kg		92	50 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218334/6

Matrix: Solid

Analysis Batch: 218334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0502		mg/Kg		100	63 - 124
Chlorobenzene	0.0500	0.0483		mg/Kg		97	70 - 120
Chloroethane	0.0500	0.0598		mg/Kg		120	50 - 150
Chloroform	0.0500	0.0506		mg/Kg		101	70 - 120
Chloromethane	0.0500	0.0522		mg/Kg		104	50 - 130
cis-1,2-Dichloroethene	0.0500	0.0495		mg/Kg		99	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0452		mg/Kg		90	70 - 120
Dibromochloromethane	0.0500	0.0478		mg/Kg		96	70 - 120
1,1-Dichloroethane	0.0500	0.0499		mg/Kg		100	67 - 120
1,2-Dichloroethane	0.0500	0.0505		mg/Kg		101	68 - 123
1,1-Dichloroethene	0.0500	0.0470		mg/Kg		94	53 - 122
1,2-Dichloropropane	0.0500	0.0478		mg/Kg		96	70 - 120
Ethylbenzene	0.0500	0.0493		mg/Kg		99	70 - 120
2-Hexanone	0.0500	0.0555		mg/Kg		111	64 - 130
Methylene Chloride	0.0500	0.0529		mg/Kg		106	65 - 124
Methyl Ethyl Ketone	0.0500	0.0607		mg/Kg		121	58 - 133
methyl isobutyl ketone	0.0500	0.0539		mg/Kg		108	68 - 126
Methyl tert-butyl ether	0.0500	0.0497		mg/Kg		99	62 - 123
Styrene	0.0500	0.0490		mg/Kg		98	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0473		mg/Kg		95	70 - 125
Tetrachloroethene	0.0500	0.0480		mg/Kg		96	70 - 120
Toluene	0.0500	0.0482		mg/Kg		96	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0494		mg/Kg		99	68 - 125
trans-1,3-Dichloropropene	0.0500	0.0452		mg/Kg		90	68 - 120
1,1,1-Trichloroethane	0.0500	0.0517		mg/Kg		103	66 - 127
1,1,2-Trichloroethane	0.0500	0.0481		mg/Kg		96	70 - 120
Trichloroethene	0.0500	0.0479		mg/Kg		96	70 - 120
Vinyl chloride	0.0500	0.0538		mg/Kg		108	61 - 137
Xylenes, Total	0.100	0.100		mg/Kg		100	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 122
Dibromofluoromethane	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		70 - 134
Toluene-d8 (Surr)	103		75 - 122

Lab Sample ID: MB 500-218369/6

Matrix: Water

Analysis Batch: 218369

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			12/31/13 15:15	1
Benzene	<0.00050		0.00050	0.000074	mg/L			12/31/13 15:15	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			12/31/13 15:15	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			12/31/13 15:15	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			12/31/13 15:15	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			12/31/13 15:15	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			12/31/13 15:15	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218369/6

Matrix: Water

Analysis Batch: 218369

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			12/31/13 15:15	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			12/31/13 15:15	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			12/31/13 15:15	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			12/31/13 15:15	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			12/31/13 15:15	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			12/31/13 15:15	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			12/31/13 15:15	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			12/31/13 15:15	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			12/31/13 15:15	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			12/31/13 15:15	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			12/31/13 15:15	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			12/31/13 15:15	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			12/31/13 15:15	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			12/31/13 15:15	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			12/31/13 15:15	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			12/31/13 15:15	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			12/31/13 15:15	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			12/31/13 15:15	1
Styrene	<0.0010		0.0010	0.00010	mg/L			12/31/13 15:15	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			12/31/13 15:15	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			12/31/13 15:15	1
Toluene	<0.00050		0.00050	0.00011	mg/L			12/31/13 15:15	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			12/31/13 15:15	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			12/31/13 15:15	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			12/31/13 15:15	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			12/31/13 15:15	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			12/31/13 15:15	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			12/31/13 15:15	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			12/31/13 15:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120		12/31/13 15:15	1
Dibromofluoromethane	92		75 - 120		12/31/13 15:15	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 125		12/31/13 15:15	1
Toluene-d8 (Surr)	101		75 - 120		12/31/13 15:15	1

Lab Sample ID: LCS 500-218369/4

Matrix: Water

Analysis Batch: 218369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0448		mg/L		90	46 - 153
Benzene	0.0500	0.0478		mg/L		96	70 - 120
Bromodichloromethane	0.0500	0.0522		mg/L		104	70 - 120
Bromoform	0.0500	0.0439		mg/L		88	70 - 125
Bromomethane	0.0500	0.0461		mg/L		92	50 - 150
Carbon disulfide	0.0500	0.0487		mg/L		97	50 - 120
Carbon tetrachloride	0.0500	0.0504		mg/L		101	70 - 125

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218369/4

Matrix: Water

Analysis Batch: 218369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.0474		mg/L		95	70 - 120
Chloroethane	0.0500	0.0462		mg/L		92	50 - 150
Chloroform	0.0500	0.0485		mg/L		97	70 - 120
Chloromethane	0.0500	0.0488		mg/L		98	50 - 134
cis-1,2-Dichloroethene	0.0500	0.0478		mg/L		96	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0523		mg/L		105	70 - 120
Dibromochloromethane	0.0500	0.0524		mg/L		105	70 - 120
1,1-Dichloroethane	0.0500	0.0485		mg/L		97	68 - 121
1,2-Dichloroethane	0.0500	0.0491		mg/L		98	69 - 120
1,1-Dichloroethene	0.0500	0.0478		mg/L		96	58 - 122
1,2-Dichloropropane	0.0500	0.0499		mg/L		100	70 - 120
Ethylbenzene	0.0500	0.0500		mg/L		100	75 - 120
2-Hexanone	0.0500	0.0526		mg/L		105	55 - 144
Methylene Chloride	0.0500	0.0463		mg/L		93	65 - 125
Methyl Ethyl Ketone	0.0500	0.0481		mg/L		96	54 - 138
methyl isobutyl ketone	0.0500	0.0504		mg/L		101	59 - 135
Methyl tert-butyl ether	0.0500	0.0500		mg/L		100	58 - 122
Styrene	0.0500	0.0495		mg/L		99	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0511		mg/L		102	70 - 128
Tetrachloroethene	0.0500	0.0494		mg/L		99	70 - 123
Toluene	0.0500	0.0504		mg/L		101	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0481		mg/L		96	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0531		mg/L		106	70 - 120
1,1,1-Trichloroethane	0.0500	0.0504		mg/L		101	70 - 123
1,1,2-Trichloroethane	0.0500	0.0486		mg/L		97	69 - 120
Trichloroethene	0.0500	0.0487		mg/L		97	70 - 120
Vinyl chloride	0.0500	0.0499		mg/L		100	62 - 138
Xylenes, Total	0.100	0.0991		mg/L		99	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 125
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: MB 500-218455/6

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/Kg			01/01/14 16:16	1
Benzene	<0.00025		0.00025	0.000074	mg/Kg			01/01/14 16:16	1
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/Kg			01/01/14 16:16	1
Bromoform	<0.0020		0.0020	0.00044	mg/Kg			01/01/14 16:16	1
Bromomethane	<0.0020		0.0020	0.00068	mg/Kg			01/01/14 16:16	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/Kg			01/01/14 16:16	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/Kg			01/01/14 16:16	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/Kg			01/01/14 16:16	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218455/6

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<0.0020		0.0020	0.00044	mg/Kg			01/01/14 16:16	1
Chloroform	<0.0010		0.0010	0.00021	mg/Kg			01/01/14 16:16	1
Chloromethane	<0.0020		0.0020	0.00046	mg/Kg			01/01/14 16:16	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/Kg			01/01/14 16:16	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/Kg			01/01/14 16:16	1
Dibromochloromethane	<0.0020		0.0020	0.00035	mg/Kg			01/01/14 16:16	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/Kg			01/01/14 16:16	1
1,2-Dichloroethane	<0.0010		0.0010	0.00029	mg/Kg			01/01/14 16:16	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/Kg			01/01/14 16:16	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/Kg			01/01/14 16:16	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/Kg			01/01/14 16:16	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			01/01/14 16:16	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/Kg			01/01/14 16:16	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/Kg			01/01/14 16:16	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/Kg			01/01/14 16:16	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/Kg			01/01/14 16:16	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00043	mg/Kg			01/01/14 16:16	1
Styrene	<0.0010		0.0010	0.000099	mg/Kg			01/01/14 16:16	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/Kg			01/01/14 16:16	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/Kg			01/01/14 16:16	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			01/01/14 16:16	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/Kg			01/01/14 16:16	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/Kg			01/01/14 16:16	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/Kg			01/01/14 16:16	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/Kg			01/01/14 16:16	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/Kg			01/01/14 16:16	1
Vinyl chloride	<0.00025		0.00025	0.00010	mg/Kg			01/01/14 16:16	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			01/01/14 16:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 120		01/01/14 16:16	1
Dibromofluoromethane	96		75 - 120		01/01/14 16:16	1
1,2-Dichloroethane-d4 (Surr)	106		75 - 125		01/01/14 16:16	1
Toluene-d8 (Surr)	102		75 - 120		01/01/14 16:16	1

Lab Sample ID: LCS 500-218455/11

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0495		mg/Kg		99	46 - 153
Benzene	0.0500	0.0499		mg/Kg		100	70 - 120
Bromodichloromethane	0.0500	0.0528		mg/Kg		106	70 - 120
Bromoform	0.0500	0.0470		mg/Kg		94	70 - 125
Bromomethane	0.0500	0.0533		mg/Kg		107	50 - 150
Carbon disulfide	0.0500	0.0495		mg/Kg		99	50 - 120
Carbon tetrachloride	0.0500	0.0533		mg/Kg		107	70 - 125
Chlorobenzene	0.0500	0.0507		mg/Kg		101	70 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218455/11

Matrix: Solid

Analysis Batch: 218455

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0526		mg/Kg		105	50 - 150
Chloroform	0.0500	0.0529		mg/Kg		106	70 - 120
Chloromethane	0.0500	0.0523		mg/Kg		105	50 - 134
cis-1,2-Dichloroethene	0.0500	0.0503		mg/Kg		101	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0535		mg/Kg		107	70 - 120
Dibromochloromethane	0.0500	0.0543		mg/Kg		109	70 - 120
1,1-Dichloroethane	0.0500	0.0520		mg/Kg		104	68 - 121
1,2-Dichloroethane	0.0500	0.0519		mg/Kg		104	69 - 120
1,1-Dichloroethene	0.0500	0.0483		mg/Kg		97	58 - 122
1,2-Dichloropropane	0.0500	0.0507		mg/Kg		101	70 - 120
Ethylbenzene	0.0500	0.0533		mg/Kg		107	75 - 120
2-Hexanone	0.0500	0.0534		mg/Kg		107	55 - 144
Methylene Chloride	0.0500	0.0465		mg/Kg		93	65 - 125
Methyl Ethyl Ketone	0.0500	0.0488		mg/Kg		98	54 - 138
methyl isobutyl ketone	0.0500	0.0536		mg/Kg		107	59 - 135
Methyl tert-butyl ether	0.0500	0.0518		mg/Kg		104	58 - 122
Styrene	0.0500	0.0539		mg/Kg		108	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0525		mg/Kg		105	70 - 128
Tetrachloroethene	0.0500	0.0506		mg/Kg		101	70 - 123
Toluene	0.0500	0.0528		mg/Kg		106	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0505		mg/Kg		101	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0542		mg/Kg		108	70 - 120
1,1,1-Trichloroethane	0.0500	0.0547		mg/Kg		109	70 - 123
1,1,2-Trichloroethane	0.0500	0.0501		mg/Kg		100	69 - 120
Trichloroethene	0.0500	0.0507		mg/Kg		101	70 - 120
Vinyl chloride	0.0500	0.0536		mg/Kg		107	62 - 138
Xylenes, Total	0.100	0.108		mg/Kg		108	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 125
Toluene-d8 (Surr)	104		75 - 120

Lab Sample ID: MB 500-218482/5

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0022	mg/Kg			01/02/14 10:39	1
Benzene	<0.0050		0.0050	0.00069	mg/Kg			01/02/14 10:39	1
Bromodichloromethane	<0.0050		0.0050	0.00086	mg/Kg			01/02/14 10:39	1
Bromoform	<0.0050		0.0050	0.0012	mg/Kg			01/02/14 10:39	1
Bromomethane	<0.0050		0.0050	0.0015	mg/Kg			01/02/14 10:39	1
Carbon disulfide	<0.0050		0.0050	0.00075	mg/Kg			01/02/14 10:39	1
Carbon tetrachloride	<0.0050		0.0050	0.00091	mg/Kg			01/02/14 10:39	1
Chlorobenzene	<0.0050		0.0050	0.00051	mg/Kg			01/02/14 10:39	1
Chloroethane	<0.0050		0.0050	0.0014	mg/Kg			01/02/14 10:39	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218482/5

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.0050		0.0050	0.00058	mg/Kg			01/02/14 10:39	1
Chloromethane	<0.0050		0.0050	0.0011	mg/Kg			01/02/14 10:39	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.00071	mg/Kg			01/02/14 10:39	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.00066	mg/Kg			01/02/14 10:39	1
Dibromochloromethane	<0.0050		0.0050	0.00087	mg/Kg			01/02/14 10:39	1
1,1-Dichloroethane	<0.0050		0.0050	0.00079	mg/Kg			01/02/14 10:39	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg			01/02/14 10:39	1
1,1-Dichloroethene	<0.0050		0.0050	0.00081	mg/Kg			01/02/14 10:39	1
1,2-Dichloropropane	<0.0050		0.0050	0.00076	mg/Kg			01/02/14 10:39	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.00066	mg/Kg			01/02/14 10:39	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg			01/02/14 10:39	1
2-Hexanone	<0.0050		0.0050	0.0014	mg/Kg			01/02/14 10:39	1
Methylene Chloride	<0.0050		0.0050	0.0014	mg/Kg			01/02/14 10:39	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0018	mg/Kg			01/02/14 10:39	1
methyl isobutyl ketone	<0.0050		0.0050	0.0013	mg/Kg			01/02/14 10:39	1
Methyl tert-butyl ether	<0.0050		0.0050	0.00083	mg/Kg			01/02/14 10:39	1
Styrene	<0.0050		0.0050	0.00066	mg/Kg			01/02/14 10:39	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010	mg/Kg			01/02/14 10:39	1
Tetrachloroethene	<0.0050		0.0050	0.00076	mg/Kg			01/02/14 10:39	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg			01/02/14 10:39	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.00069	mg/Kg			01/02/14 10:39	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.00090	mg/Kg			01/02/14 10:39	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.00075	mg/Kg			01/02/14 10:39	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00068	mg/Kg			01/02/14 10:39	1
Trichloroethene	<0.0050		0.0050	0.00083	mg/Kg			01/02/14 10:39	1
Vinyl chloride	<0.0050		0.0050	0.0011	mg/Kg			01/02/14 10:39	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg			01/02/14 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		01/02/14 10:39	1
Dibromofluoromethane	94		75 - 120		01/02/14 10:39	1
1,2-Dichloroethane-d4 (Surr)	80		70 - 134		01/02/14 10:39	1
Toluene-d8 (Surr)	101		75 - 122		01/02/14 10:39	1

Lab Sample ID: LCS 500-218482/6

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0451		mg/Kg		90	50 - 138
Benzene	0.0500	0.0512		mg/Kg		102	70 - 120
Bromodichloromethane	0.0500	0.0492		mg/Kg		98	70 - 120
Bromoform	0.0500	0.0516		mg/Kg		103	63 - 124
Bromomethane	0.0500	0.0489		mg/Kg		98	50 - 150
Carbon disulfide	0.0500	0.0455		mg/Kg		91	50 - 120
Carbon tetrachloride	0.0500	0.0490		mg/Kg		98	63 - 124
Chlorobenzene	0.0500	0.0518		mg/Kg		104	70 - 120
Chloroethane	0.0500	0.0447		mg/Kg		89	50 - 150

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218482/6

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	0.0500	0.0497		mg/Kg		99	70 - 120
Chloromethane	0.0500	0.0506		mg/Kg		101	50 - 130
cis-1,2-Dichloroethene	0.0500	0.0518		mg/Kg		104	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0460		mg/Kg		92	70 - 120
Dibromochloromethane	0.0500	0.0503		mg/Kg		101	70 - 120
1,1-Dichloroethane	0.0500	0.0516		mg/Kg		103	67 - 120
1,2-Dichloroethane	0.0500	0.0453		mg/Kg		91	68 - 123
1,1-Dichloroethene	0.0500	0.0469		mg/Kg		94	53 - 122
1,2-Dichloropropane	0.0500	0.0524		mg/Kg		105	70 - 120
Ethylbenzene	0.0500	0.0521		mg/Kg		104	70 - 120
2-Hexanone	0.0500	0.0480		mg/Kg		96	64 - 130
Methylene Chloride	0.0500	0.0524		mg/Kg		105	65 - 124
Methyl Ethyl Ketone	0.0500	0.0462		mg/Kg		92	58 - 133
methyl isobutyl ketone	0.0500	0.0496		mg/Kg		99	68 - 126
Methyl tert-butyl ether	0.0500	0.0493		mg/Kg		99	62 - 123
Styrene	0.0500	0.0513		mg/Kg		103	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0476		mg/Kg		95	70 - 125
Tetrachloroethene	0.0500	0.0534		mg/Kg		107	70 - 120
Toluene	0.0500	0.0500		mg/Kg		100	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0502		mg/Kg		100	68 - 125
trans-1,3-Dichloropropene	0.0500	0.0453		mg/Kg		91	68 - 120
1,1,1-Trichloroethane	0.0500	0.0489		mg/Kg		98	66 - 127
1,1,2-Trichloroethane	0.0500	0.0485		mg/Kg		97	70 - 120
Trichloroethene	0.0500	0.0516		mg/Kg		103	70 - 120
Vinyl chloride	0.0500	0.0493		mg/Kg		99	61 - 137
Xylenes, Total	0.100	0.103		mg/Kg		103	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 122
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 134
Toluene-d8 (Surr)	102		75 - 122

Lab Sample ID: LCSD 500-218482/7

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0500	0.0380		mg/Kg		76	50 - 138	17	30
Benzene	0.0500	0.0501		mg/Kg		100	70 - 120	2	30
Bromodichloromethane	0.0500	0.0474		mg/Kg		95	70 - 120	4	30
Bromoform	0.0500	0.0489		mg/Kg		98	63 - 124	5	30
Bromomethane	0.0500	0.0394		mg/Kg		79	50 - 150	21	30
Carbon disulfide	0.0500	0.0424		mg/Kg		85	50 - 120	7	30
Carbon tetrachloride	0.0500	0.0462		mg/Kg		92	63 - 124	6	30
Chlorobenzene	0.0500	0.0496		mg/Kg		99	70 - 120	4	30
Chloroethane	0.0500	0.0335		mg/Kg		67	50 - 150	29	30
Chloroform	0.0500	0.0473		mg/Kg		95	70 - 120	5	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-218482/7

Matrix: Solid

Analysis Batch: 218482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	0.0500	0.0414		mg/Kg		83	50 - 130	20	30
cis-1,2-Dichloroethene	0.0500	0.0500		mg/Kg		100	70 - 120	4	30
cis-1,3-Dichloropropene	0.0500	0.0468		mg/Kg		94	70 - 120	2	30
Dibromochloromethane	0.0500	0.0494		mg/Kg		99	70 - 120	2	30
1,1-Dichloroethane	0.0500	0.0496		mg/Kg		99	67 - 120	4	30
1,2-Dichloroethane	0.0500	0.0448		mg/Kg		90	68 - 123	1	30
1,1-Dichloroethene	0.0500	0.0442		mg/Kg		88	53 - 122	6	30
1,2-Dichloropropane	0.0500	0.0509		mg/Kg		102	70 - 120	3	30
Ethylbenzene	0.0500	0.0490		mg/Kg		98	70 - 120	6	30
2-Hexanone	0.0500	0.0439		mg/Kg		88	64 - 130	9	30
Methylene Chloride	0.0500	0.0495		mg/Kg		99	65 - 124	6	30
Methyl Ethyl Ketone	0.0500	0.0432		mg/Kg		86	58 - 133	7	30
methyl isobutyl ketone	0.0500	0.0435		mg/Kg		87	68 - 126	13	30
Methyl tert-butyl ether	0.0500	0.0479		mg/Kg		96	62 - 123	3	30
Styrene	0.0500	0.0490		mg/Kg		98	75 - 120	5	30
1,1,2,2-Tetrachloroethane	0.0500	0.0445		mg/Kg		89	70 - 125	7	30
Tetrachloroethene	0.0500	0.0513		mg/Kg		103	70 - 120	4	30
Toluene	0.0500	0.0495		mg/Kg		99	70 - 120	1	30
trans-1,2-Dichloroethene	0.0500	0.0480		mg/Kg		96	68 - 125	4	30
trans-1,3-Dichloropropene	0.0500	0.0457		mg/Kg		91	68 - 120	1	30
1,1,1-Trichloroethane	0.0500	0.0461		mg/Kg		92	66 - 127	6	30
1,1,2-Trichloroethane	0.0500	0.0463		mg/Kg		93	70 - 120	5	30
Trichloroethene	0.0500	0.0510		mg/Kg		102	70 - 120	1	30
Vinyl chloride	0.0500	0.0407		mg/Kg		81	61 - 137	19	30
Xylenes, Total	0.100	0.0975		mg/Kg		98	70 - 120	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 122
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 134
Toluene-d8 (Surr)	103		75 - 122

Lab Sample ID: MB 500-218487/6

Matrix: Solid

Analysis Batch: 218487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/Kg			01/02/14 11:57	1
Benzene	<0.00025		0.00025	0.000074	mg/Kg			01/02/14 11:57	1
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/Kg			01/02/14 11:57	1
Bromoform	<0.0020		0.0020	0.00044	mg/Kg			01/02/14 11:57	1
Bromomethane	<0.0020		0.0020	0.00068	mg/Kg			01/02/14 11:57	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/Kg			01/02/14 11:57	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/Kg			01/02/14 11:57	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/Kg			01/02/14 11:57	1
Chloroethane	<0.0020		0.0020	0.00044	mg/Kg			01/02/14 11:57	1
Chloroform	<0.0010		0.0010	0.00021	mg/Kg			01/02/14 11:57	1
Chloromethane	<0.0020		0.0020	0.00046	mg/Kg			01/02/14 11:57	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218487/6

Matrix: Solid

Analysis Batch: 218487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/Kg			01/02/14 11:57	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/Kg			01/02/14 11:57	1
Dibromochloromethane	<0.0020		0.0020	0.00035	mg/Kg			01/02/14 11:57	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/Kg			01/02/14 11:57	1
1,2-Dichloroethane	<0.0010		0.0010	0.00029	mg/Kg			01/02/14 11:57	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/Kg			01/02/14 11:57	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/Kg			01/02/14 11:57	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/Kg			01/02/14 11:57	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			01/02/14 11:57	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/Kg			01/02/14 11:57	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/Kg			01/02/14 11:57	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/Kg			01/02/14 11:57	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/Kg			01/02/14 11:57	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00043	mg/Kg			01/02/14 11:57	1
Styrene	<0.0010		0.0010	0.000099	mg/Kg			01/02/14 11:57	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/Kg			01/02/14 11:57	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/Kg			01/02/14 11:57	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			01/02/14 11:57	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/Kg			01/02/14 11:57	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/Kg			01/02/14 11:57	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/Kg			01/02/14 11:57	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/Kg			01/02/14 11:57	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/Kg			01/02/14 11:57	1
Vinyl chloride	<0.00025		0.00025	0.00010	mg/Kg			01/02/14 11:57	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			01/02/14 11:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		01/02/14 11:57	1
Dibromofluoromethane	93		75 - 120		01/02/14 11:57	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 125		01/02/14 11:57	1
Toluene-d8 (Surr)	101		75 - 120		01/02/14 11:57	1

Lab Sample ID: LCS 500-218487/4

Matrix: Solid

Analysis Batch: 218487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0462		mg/Kg		92	46 - 153
Benzene	0.0500	0.0469		mg/Kg		94	70 - 120
Bromodichloromethane	0.0500	0.0517		mg/Kg		103	70 - 120
Bromoform	0.0500	0.0439		mg/Kg		88	70 - 125
Bromomethane	0.0500	0.0472		mg/Kg		94	50 - 150
Carbon disulfide	0.0500	0.0452		mg/Kg		90	50 - 120
Carbon tetrachloride	0.0500	0.0491		mg/Kg		98	70 - 125
Chlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 120
Chloroethane	0.0500	0.0473		mg/Kg		95	50 - 150
Chloroform	0.0500	0.0497		mg/Kg		99	70 - 120
Chloromethane	0.0500	0.0465		mg/Kg		93	50 - 134

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218487/4

Matrix: Solid

Analysis Batch: 218487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0509		mg/Kg		102	70 - 120
Dibromochloromethane	0.0500	0.0512		mg/Kg		102	70 - 120
1,1-Dichloroethane	0.0500	0.0487		mg/Kg		97	68 - 121
1,2-Dichloroethane	0.0500	0.0498		mg/Kg		100	69 - 120
1,1-Dichloroethene	0.0500	0.0450		mg/Kg		90	58 - 122
1,2-Dichloropropane	0.0500	0.0489		mg/Kg		98	70 - 120
Ethylbenzene	0.0500	0.0487		mg/Kg		97	75 - 120
2-Hexanone	0.0500	0.0499		mg/Kg		100	55 - 144
Methylene Chloride	0.0500	0.0433		mg/Kg		87	65 - 125
Methyl Ethyl Ketone	0.0500	0.0484		mg/Kg		97	54 - 138
methyl isobutyl ketone	0.0500	0.0502		mg/Kg		100	59 - 135
Methyl tert-butyl ether	0.0500	0.0496		mg/Kg		99	58 - 122
Styrene	0.0500	0.0484		mg/Kg		97	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0508		mg/Kg		102	70 - 128
Tetrachloroethene	0.0500	0.0470		mg/Kg		94	70 - 123
Toluene	0.0500	0.0482		mg/Kg		96	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0464		mg/Kg		93	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0517		mg/Kg		103	70 - 120
1,1,1-Trichloroethane	0.0500	0.0498		mg/Kg		100	70 - 123
1,1,2-Trichloroethane	0.0500	0.0473		mg/Kg		95	69 - 120
Trichloroethene	0.0500	0.0481		mg/Kg		96	70 - 120
Vinyl chloride	0.0500	0.0482		mg/Kg		96	62 - 138
Xylenes, Total	0.100	0.0976		mg/Kg		98	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	103		75 - 125
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: MB 500-218488/6

Matrix: Water

Analysis Batch: 218488

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			01/02/14 11:57	1
Benzene	<0.00050		0.00050	0.000074	mg/L			01/02/14 11:57	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			01/02/14 11:57	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			01/02/14 11:57	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			01/02/14 11:57	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			01/02/14 11:57	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			01/02/14 11:57	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			01/02/14 11:57	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			01/02/14 11:57	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			01/02/14 11:57	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			01/02/14 11:57	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			01/02/14 11:57	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218488/6

Matrix: Water

Analysis Batch: 218488

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			01/02/14 11:57	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			01/02/14 11:57	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			01/02/14 11:57	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			01/02/14 11:57	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			01/02/14 11:57	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			01/02/14 11:57	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			01/02/14 11:57	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			01/02/14 11:57	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			01/02/14 11:57	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			01/02/14 11:57	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			01/02/14 11:57	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			01/02/14 11:57	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			01/02/14 11:57	1
Styrene	<0.0010		0.0010	0.00010	mg/L			01/02/14 11:57	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			01/02/14 11:57	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			01/02/14 11:57	1
Toluene	<0.00050		0.00050	0.00011	mg/L			01/02/14 11:57	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			01/02/14 11:57	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			01/02/14 11:57	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			01/02/14 11:57	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			01/02/14 11:57	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			01/02/14 11:57	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			01/02/14 11:57	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			01/02/14 11:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		01/02/14 11:57	1
Dibromofluoromethane	93		75 - 120		01/02/14 11:57	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 125		01/02/14 11:57	1
Toluene-d8 (Surr)	101		75 - 120		01/02/14 11:57	1

Lab Sample ID: LCS 500-218488/4

Matrix: Water

Analysis Batch: 218488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0462		mg/L		92	46 - 153
Benzene	0.0500	0.0469		mg/L		94	70 - 120
Bromodichloromethane	0.0500	0.0517		mg/L		103	70 - 120
Bromoform	0.0500	0.0439		mg/L		88	70 - 125
Bromomethane	0.0500	0.0472		mg/L		94	50 - 150
Carbon disulfide	0.0500	0.0452		mg/L		90	50 - 120
Carbon tetrachloride	0.0500	0.0491		mg/L		98	70 - 125
Chlorobenzene	0.0500	0.0465		mg/L		93	70 - 120
Chloroethane	0.0500	0.0473		mg/L		95	50 - 150
Chloroform	0.0500	0.0497		mg/L		99	70 - 120
Chloromethane	0.0500	0.0465		mg/L		93	50 - 134
cis-1,2-Dichloroethene	0.0500	0.0481		mg/L		96	70 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218488/4

Matrix: Water

Analysis Batch: 218488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	0.0500	0.0509		mg/L		102	70 - 120
Dibromochloromethane	0.0500	0.0512		mg/L		102	70 - 120
1,1-Dichloroethane	0.0500	0.0487		mg/L		97	68 - 121
1,2-Dichloroethane	0.0500	0.0498		mg/L		100	69 - 120
1,1-Dichloroethene	0.0500	0.0450		mg/L		90	58 - 122
1,2-Dichloropropane	0.0500	0.0489		mg/L		98	70 - 120
Ethylbenzene	0.0500	0.0487		mg/L		97	75 - 120
2-Hexanone	0.0500	0.0499		mg/L		100	55 - 144
Methylene Chloride	0.0500	0.0433		mg/L		87	65 - 125
Methyl Ethyl Ketone	0.0500	0.0484		mg/L		97	54 - 138
methyl isobutyl ketone	0.0500	0.0502		mg/L		100	59 - 135
Methyl tert-butyl ether	0.0500	0.0496		mg/L		99	58 - 122
Styrene	0.0500	0.0484		mg/L		97	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0508		mg/L		102	70 - 128
Tetrachloroethene	0.0500	0.0470		mg/L		94	70 - 123
Toluene	0.0500	0.0482		mg/L		96	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0464		mg/L		93	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0517		mg/L		103	70 - 120
1,1,1-Trichloroethane	0.0500	0.0498		mg/L		100	70 - 123
1,1,2-Trichloroethane	0.0500	0.0473		mg/L		95	69 - 120
Trichloroethene	0.0500	0.0481		mg/L		96	70 - 120
Vinyl chloride	0.0500	0.0482		mg/L		96	62 - 138
Xylenes, Total	0.100	0.0976		mg/L		98	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	103		75 - 125
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: MB 500-218601/6

Matrix: Solid

Analysis Batch: 218601

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/Kg			01/02/14 20:10	1
Benzene	<0.00025		0.00025	0.000074	mg/Kg			01/02/14 20:10	1
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/Kg			01/02/14 20:10	1
Bromoform	<0.0020		0.0020	0.00044	mg/Kg			01/02/14 20:10	1
Bromomethane	<0.0020		0.0020	0.00068	mg/Kg			01/02/14 20:10	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/Kg			01/02/14 20:10	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/Kg			01/02/14 20:10	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/Kg			01/02/14 20:10	1
Chloroethane	<0.0020		0.0020	0.00044	mg/Kg			01/02/14 20:10	1
Chloroform	<0.0010		0.0010	0.00021	mg/Kg			01/02/14 20:10	1
Chloromethane	<0.0020		0.0020	0.00046	mg/Kg			01/02/14 20:10	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/Kg			01/02/14 20:10	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/Kg			01/02/14 20:10	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218601/6

Matrix: Solid

Analysis Batch: 218601

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	<0.0020		0.0020	0.00035	mg/Kg			01/02/14 20:10	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/Kg			01/02/14 20:10	1
1,2-Dichloroethane	<0.0010		0.0010	0.00029	mg/Kg			01/02/14 20:10	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/Kg			01/02/14 20:10	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/Kg			01/02/14 20:10	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/Kg			01/02/14 20:10	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			01/02/14 20:10	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/Kg			01/02/14 20:10	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/Kg			01/02/14 20:10	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/Kg			01/02/14 20:10	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/Kg			01/02/14 20:10	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00043	mg/Kg			01/02/14 20:10	1
Styrene	<0.0010		0.0010	0.000099	mg/Kg			01/02/14 20:10	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/Kg			01/02/14 20:10	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/Kg			01/02/14 20:10	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			01/02/14 20:10	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/Kg			01/02/14 20:10	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/Kg			01/02/14 20:10	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/Kg			01/02/14 20:10	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/Kg			01/02/14 20:10	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/Kg			01/02/14 20:10	1
Vinyl chloride	<0.00025		0.00025	0.00010	mg/Kg			01/02/14 20:10	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			01/02/14 20:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		75 - 120		01/02/14 20:10	1
Dibromofluoromethane	100		75 - 120		01/02/14 20:10	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 125		01/02/14 20:10	1
Toluene-d8 (Surr)	103		75 - 120		01/02/14 20:10	1

Lab Sample ID: LCS 500-218601/4

Matrix: Solid

Analysis Batch: 218601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0552		mg/Kg		110	46 - 153
Benzene	0.0500	0.0517		mg/Kg		103	70 - 120
Bromodichloromethane	0.0500	0.0523		mg/Kg		105	70 - 120
Bromoform	0.0500	0.0507		mg/Kg		101	70 - 125
Bromomethane	0.0500	0.0473		mg/Kg		95	50 - 150
Carbon disulfide	0.0500	0.0515		mg/Kg		103	50 - 120
Carbon tetrachloride	0.0500	0.0524		mg/Kg		105	70 - 125
Chlorobenzene	0.0500	0.0524		mg/Kg		105	70 - 120
Chloroethane	0.0500	0.0466		mg/Kg		93	50 - 150
Chloroform	0.0500	0.0528		mg/Kg		106	70 - 120
Chloromethane	0.0500	0.0524		mg/Kg		105	50 - 134
cis-1,2-Dichloroethene	0.0500	0.0530		mg/Kg		106	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0518		mg/Kg		104	70 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218601/4

Matrix: Solid

Analysis Batch: 218601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	0.0500	0.0506		mg/Kg		101	70 - 120
1,1-Dichloroethane	0.0500	0.0534		mg/Kg		107	68 - 121
1,2-Dichloroethane	0.0500	0.0525		mg/Kg		105	69 - 120
1,1-Dichloroethene	0.0500	0.0520		mg/Kg		104	58 - 122
1,2-Dichloropropane	0.0500	0.0523		mg/Kg		105	70 - 120
Ethylbenzene	0.0500	0.0531		mg/Kg		106	75 - 120
2-Hexanone	0.0500	0.0546		mg/Kg		109	55 - 144
Methylene Chloride	0.0500	0.0490		mg/Kg		98	65 - 125
Methyl Ethyl Ketone	0.0500	0.0515		mg/Kg		103	54 - 138
methyl isobutyl ketone	0.0500	0.0499		mg/Kg		100	59 - 135
Methyl tert-butyl ether	0.0500	0.0513		mg/Kg		103	58 - 122
Styrene	0.0500	0.0542		mg/Kg		108	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0446		mg/Kg		89	70 - 128
Tetrachloroethene	0.0500	0.0518		mg/Kg		104	70 - 123
Toluene	0.0500	0.0512		mg/Kg		102	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0516		mg/Kg		103	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0522		mg/Kg		104	70 - 120
1,1,1-Trichloroethane	0.0500	0.0524		mg/Kg		105	70 - 123
1,1,2-Trichloroethane	0.0500	0.0513		mg/Kg		103	69 - 120
Trichloroethene	0.0500	0.0510		mg/Kg		102	70 - 120
Vinyl chloride	0.0500	0.0546		mg/Kg		109	62 - 138
Xylenes, Total	0.100	0.107		mg/Kg		107	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	103		75 - 125
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: MB 500-218642/6

Matrix: Solid

Analysis Batch: 218642

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/Kg			01/03/14 11:07	1
Benzene	<0.00025		0.00025	0.000074	mg/Kg			01/03/14 11:07	1
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/Kg			01/03/14 11:07	1
Bromoform	<0.0020		0.0020	0.00044	mg/Kg			01/03/14 11:07	1
Bromomethane	<0.0020		0.0020	0.00068	mg/Kg			01/03/14 11:07	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/Kg			01/03/14 11:07	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/Kg			01/03/14 11:07	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/Kg			01/03/14 11:07	1
Chloroethane	<0.0020		0.0020	0.00044	mg/Kg			01/03/14 11:07	1
Chloroform	<0.0010		0.0010	0.00021	mg/Kg			01/03/14 11:07	1
Chloromethane	<0.0020		0.0020	0.00046	mg/Kg			01/03/14 11:07	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/Kg			01/03/14 11:07	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/Kg			01/03/14 11:07	1
Dibromochloromethane	<0.0020		0.0020	0.00035	mg/Kg			01/03/14 11:07	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218642/6

Matrix: Solid

Analysis Batch: 218642

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/Kg			01/03/14 11:07	1
1,2-Dichloroethane	<0.0010		0.0010	0.00029	mg/Kg			01/03/14 11:07	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/Kg			01/03/14 11:07	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/Kg			01/03/14 11:07	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/Kg			01/03/14 11:07	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			01/03/14 11:07	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/Kg			01/03/14 11:07	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/Kg			01/03/14 11:07	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/Kg			01/03/14 11:07	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/Kg			01/03/14 11:07	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00043	mg/Kg			01/03/14 11:07	1
Styrene	<0.0010		0.0010	0.000099	mg/Kg			01/03/14 11:07	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/Kg			01/03/14 11:07	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/Kg			01/03/14 11:07	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			01/03/14 11:07	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/Kg			01/03/14 11:07	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/Kg			01/03/14 11:07	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/Kg			01/03/14 11:07	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/Kg			01/03/14 11:07	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/Kg			01/03/14 11:07	1
Vinyl chloride	<0.00025		0.00025	0.00010	mg/Kg			01/03/14 11:07	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			01/03/14 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		01/03/14 11:07	1
Dibromofluoromethane	91		75 - 120		01/03/14 11:07	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 125		01/03/14 11:07	1
Toluene-d8 (Surr)	105		75 - 120		01/03/14 11:07	1

Lab Sample ID: LCS 500-218642/4

Matrix: Solid

Analysis Batch: 218642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0448		mg/Kg		90	46 - 153
Benzene	0.0500	0.0537		mg/Kg		107	70 - 120
Bromodichloromethane	0.0500	0.0560		mg/Kg		112	70 - 120
Bromoform	0.0500	0.0464		mg/Kg		93	70 - 125
Bromomethane	0.0500	0.0562		mg/Kg		112	50 - 150
Carbon disulfide	0.0500	0.0596		mg/Kg		119	50 - 120
Carbon tetrachloride	0.0500	0.0608		mg/Kg		122	70 - 125
Chlorobenzene	0.0500	0.0526		mg/Kg		105	70 - 120
Chloroethane	0.0500	0.0564		mg/Kg		113	50 - 150
Chloroform	0.0500	0.0569		mg/Kg		114	70 - 120
Chloromethane	0.0500	0.0527		mg/Kg		105	50 - 134
cis-1,2-Dichloroethene	0.0500	0.0555		mg/Kg		111	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0547		mg/Kg		109	70 - 120
Dibromochloromethane	0.0500	0.0532		mg/Kg		106	70 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218642/4

Matrix: Solid

Analysis Batch: 218642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.0500	0.0575		mg/Kg		115	68 - 121
1,2-Dichloroethane	0.0500	0.0522		mg/Kg		104	69 - 120
1,1-Dichloroethene	0.0500	0.0566		mg/Kg		113	58 - 122
1,2-Dichloropropane	0.0500	0.0529		mg/Kg		106	70 - 120
Ethylbenzene	0.0500	0.0569		mg/Kg		114	75 - 120
2-Hexanone	0.0500	0.0465		mg/Kg		93	55 - 144
Methylene Chloride	0.0500	0.0502		mg/Kg		100	65 - 125
Methyl Ethyl Ketone	0.0500	0.0415		mg/Kg		83	54 - 138
methyl isobutyl ketone	0.0500	0.0455		mg/Kg		91	59 - 135
Methyl tert-butyl ether	0.0500	0.0533		mg/Kg		107	58 - 122
Styrene	0.0500	0.0550		mg/Kg		110	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0518		mg/Kg		104	70 - 128
Tetrachloroethene	0.0500	0.0541		mg/Kg		108	70 - 123
Toluene	0.0500	0.0556		mg/Kg		111	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0573		mg/Kg		115	70 - 124
trans-1,3-Dichloropropene	0.0500	0.0540		mg/Kg		108	70 - 120
1,1,1-Trichloroethane	0.0500	0.0622	*	mg/Kg		124	70 - 123
1,1,2-Trichloroethane	0.0500	0.0483		mg/Kg		97	69 - 120
Trichloroethene	0.0500	0.0548		mg/Kg		110	70 - 120
Vinyl chloride	0.0500	0.0549		mg/Kg		110	62 - 138
Xylenes, Total	0.100	0.115		mg/Kg		115	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	97		75 - 125
Toluene-d8 (Surr)	102		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-218462/1-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg		01/02/14 07:04	01/02/14 17:15	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218462/1-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	<0.17		0.17	0.086	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4,6-Dinitro-2-methylphenol	<0.33		0.33	0.27	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4-Dinitrophenol	<0.67		0.67	0.59	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Fluorene	<0.033		0.033	0.0047	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Isophorone	<0.17		0.17	0.037	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Methylnaphthalene	<0.033		0.033	0.0061	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2-Nitrophenol	<0.33		0.33	0.079	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.041	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Phenol	<0.17		0.17	0.074	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		01/02/14 07:04	01/02/14 17:15	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218462/1-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg		01/02/14 07:04	01/02/14 17:15	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg		01/02/14 07:04	01/02/14 17:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	01/02/14 07:04	01/02/14 17:15	1
2-Fluorophenol	84		25 - 110	01/02/14 07:04	01/02/14 17:15	1
Nitrobenzene-d5	79		25 - 115	01/02/14 07:04	01/02/14 17:15	1
Phenol-d5	83		31 - 110	01/02/14 07:04	01/02/14 17:15	1
Terphenyl-d14	90		36 - 134	01/02/14 07:04	01/02/14 17:15	1
2,4,6-Tribromophenol	91		35 - 137	01/02/14 07:04	01/02/14 17:15	1

Lab Sample ID: LCS 500-218462/2-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	1.01		mg/Kg		76	53 - 110
Acenaphthylene	1.33	0.990		mg/Kg		74	51 - 110
Anthracene	1.33	1.05		mg/Kg		79	52 - 110
Benzo[a]anthracene	1.33	1.00		mg/Kg		75	57 - 110
Benzo[a]pyrene	1.33	1.07		mg/Kg		80	56 - 110
Benzo[b]fluoranthene	1.33	1.05		mg/Kg		79	50 - 110
Benzo[g,h,i]perylene	1.33	1.18		mg/Kg		89	54 - 117
Benzo[k]fluoranthene	1.33	0.976		mg/Kg		73	43 - 121
Bis(2-chloroethoxy)methane	1.33	1.10		mg/Kg		82	56 - 110
Bis(2-chloroethyl)ether	1.33	1.06		mg/Kg		79	48 - 110
Bis(2-ethylhexyl) phthalate	1.33	1.11		mg/Kg		84	56 - 114
4-Bromophenyl phenyl ether	1.33	1.21		mg/Kg		90	58 - 111
Butyl benzyl phthalate	1.33	1.15		mg/Kg		86	60 - 120
Carbazole	1.33	1.13		mg/Kg		85	57 - 110
4-Chloroaniline	1.33	0.896		mg/Kg		67	25 - 110
4-Chloro-3-methylphenol	1.33	1.36		mg/Kg		102	54 - 111
2-Chloronaphthalene	1.33	1.08		mg/Kg		81	54 - 110
2-Chlorophenol	1.33	1.15		mg/Kg		86	53 - 110
4-Chlorophenyl phenyl ether	1.33	1.19		mg/Kg		89	57 - 110
Chrysene	1.33	1.02		mg/Kg		76	54 - 110
Dibenz(a,h)anthracene	1.33	1.16		mg/Kg		87	52 - 118
Dibenzofuran	1.33	1.20		mg/Kg		90	54 - 110
1,2-Dichlorobenzene	1.33	1.04		mg/Kg		78	55 - 110
1,3-Dichlorobenzene	1.33	0.972		mg/Kg		73	52 - 110
1,4-Dichlorobenzene	1.33	0.979		mg/Kg		73	52 - 110
3,3'-Dichlorobenzidine	1.33	0.933		mg/Kg		70	31 - 110
2,4-Dichlorophenol	1.33	1.22		mg/Kg		91	60 - 110
Diethyl phthalate	1.33	1.26		mg/Kg		95	58 - 112
2,4-Dimethylphenol	1.33	1.22		mg/Kg		92	52 - 110
Dimethyl phthalate	1.33	1.15		mg/Kg		87	60 - 110
Di-n-butyl phthalate	1.33	0.963		mg/Kg		72	56 - 117

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218462/2-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	2.67	1.81		mg/Kg		68	10 - 110
2,4-Dinitrophenol	2.67	1.47		mg/Kg		55	10 - 110
2,4-Dinitrotoluene	1.33	1.36		mg/Kg		102	57 - 116
2,6-Dinitrotoluene	1.33	1.29		mg/Kg		96	60 - 110
Di-n-octyl phthalate	1.33	1.14		mg/Kg		85	49 - 121
Fluoranthene	1.33	1.16		mg/Kg		87	55 - 113
Fluorene	1.33	1.10		mg/Kg		83	52 - 112
Hexachlorobenzene	1.33	1.17		mg/Kg		87	54 - 114
Hexachlorobutadiene	1.33	1.17		mg/Kg		88	53 - 110
Hexachlorocyclopentadiene	1.33	0.651	J	mg/Kg		49	10 - 112
Hexachloroethane	1.33	1.02		mg/Kg		76	51 - 110
Indeno[1,2,3-cd]pyrene	1.33	1.16		mg/Kg		87	53 - 116
Isophorone	1.33	0.983		mg/Kg		74	49 - 110
2-Methylnaphthalene	1.33	1.13		mg/Kg		85	51 - 110
2-Methylphenol	1.33	1.12		mg/Kg		84	48 - 110
3 & 4 Methylphenol	1.33	1.12		mg/Kg		84	44 - 121
Naphthalene	1.33	1.03		mg/Kg		78	48 - 110
2-Nitroaniline	1.33	1.20		mg/Kg		90	53 - 126
3-Nitroaniline	1.33	1.05		mg/Kg		78	36 - 110
4-Nitroaniline	1.33	1.11		mg/Kg		83	44 - 124
Nitrobenzene	1.33	1.07		mg/Kg		80	52 - 110
2-Nitrophenol	1.33	1.22		mg/Kg		92	54 - 112
4-Nitrophenol	2.67	2.24		mg/Kg		84	39 - 125
N-Nitrosodi-n-propylamine	1.33	1.02		mg/Kg		77	40 - 121
N-Nitrosodiphenylamine	1.33	1.11		mg/Kg		83	58 - 110
2,2'-oxybis[1-chloropropane]	1.33	0.934		mg/Kg		70	36 - 110
Pentachlorophenol	2.67	2.44		mg/Kg		91	20 - 117
Phenanthrene	1.33	1.12		mg/Kg		84	51 - 116
Phenol	1.33	1.13		mg/Kg		85	49 - 110
Pyrene	1.33	1.03		mg/Kg		77	50 - 112
1,2,4-Trichlorobenzene	1.33	1.13		mg/Kg		85	57 - 110
2,4,5-Trichlorophenol	1.33	1.33		mg/Kg		100	57 - 113
2,4,6-Trichlorophenol	1.33	1.23		mg/Kg		92	55 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		25 - 119
2-Fluorophenol	87		25 - 110
Nitrobenzene-d5	86		25 - 115
Phenol-d5	88		31 - 110
Terphenyl-d14	89		36 - 134
2,4,6-Tribromophenol	93		35 - 137

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.037		1.52	1.01		mg/Kg	☼	66	53 - 110

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	<0.037		1.52	0.928		mg/Kg	☼	61	51 - 110
Anthracene	<0.037		1.52	1.09		mg/Kg	☼	72	52 - 110
Benzo[a]anthracene	<0.037		1.52	1.20		mg/Kg	☼	79	57 - 110
Benzo[a]pyrene	<0.037		1.52	1.17		mg/Kg	☼	77	56 - 110
Benzo[b]fluoranthene	<0.037		1.52	1.06		mg/Kg	☼	70	50 - 110
Benzo[g,h,i]perylene	<0.037		1.52	0.866		mg/Kg	☼	57	54 - 117
Benzo[k]fluoranthene	<0.037		1.52	1.08		mg/Kg	☼	71	43 - 121
Bis(2-chloroethoxy)methane	<0.19		1.52	0.998		mg/Kg	☼	66	56 - 110
Bis(2-chloroethyl)ether	<0.19		1.52	0.976		mg/Kg	☼	64	48 - 110
Bis(2-ethylhexyl) phthalate	<0.19		1.52	1.37		mg/Kg	☼	90	56 - 114
4-Bromophenyl phenyl ether	<0.19		1.52	1.01		mg/Kg	☼	66	58 - 111
Butyl benzyl phthalate	<0.19		1.52	1.30		mg/Kg	☼	86	60 - 120
Carbazole	<0.19		1.52	1.22		mg/Kg	☼	80	57 - 110
4-Chloroaniline	<0.76		1.52	0.718	J	mg/Kg	☼	47	25 - 110
4-Chloro-3-methylphenol	<0.37		1.52	1.07		mg/Kg	☼	71	54 - 111
2-Chloronaphthalene	<0.19		1.52	1.00		mg/Kg	☼	66	54 - 110
2-Chlorophenol	<0.19		1.52	0.980		mg/Kg	☼	65	53 - 110
4-Chlorophenyl phenyl ether	<0.19		1.52	0.972		mg/Kg	☼	64	57 - 110
Chrysene	<0.037		1.52	1.20		mg/Kg	☼	79	54 - 110
Dibenz(a,h)anthracene	<0.037		1.52	0.984		mg/Kg	☼	65	52 - 118
Dibenzofuran	<0.19		1.52	0.990		mg/Kg	☼	65	54 - 110
1,2-Dichlorobenzene	<0.19		1.52	0.868		mg/Kg	☼	57	55 - 110
1,3-Dichlorobenzene	<0.19		1.52	0.791		mg/Kg	☼	52	52 - 110
1,4-Dichlorobenzene	<0.19		1.52	0.809		mg/Kg	☼	53	52 - 110
3,3'-Dichlorobenzidine	<0.19		1.52	1.08		mg/Kg	☼	71	31 - 110
2,4-Dichlorophenol	<0.37		1.52	1.06		mg/Kg	☼	70	60 - 110
Diethyl phthalate	<0.19		1.52	1.22		mg/Kg	☼	80	58 - 112
2,4-Dimethylphenol	<0.37		1.52	1.19		mg/Kg	☼	78	52 - 110
Dimethyl phthalate	<0.19		1.52	1.08		mg/Kg	☼	71	60 - 110
Di-n-butyl phthalate	<0.19		1.52	1.13		mg/Kg	☼	75	56 - 117
4,6-Dinitro-2-methylphenol	<0.37		3.03	1.85		mg/Kg	☼	61	10 - 110
2,4-Dinitrophenol	<0.76		3.03	1.29		mg/Kg	☼	43	10 - 110
2,4-Dinitrotoluene	<0.19		1.52	1.18		mg/Kg	☼	78	57 - 116
2,6-Dinitrotoluene	<0.19		1.52	1.10		mg/Kg	☼	72	60 - 110
Di-n-octyl phthalate	<0.19		1.52	1.47		mg/Kg	☼	97	49 - 121
Fluoranthene	<0.037		1.52	1.12		mg/Kg	☼	74	55 - 113
Fluorene	<0.037		1.52	1.09		mg/Kg	☼	72	52 - 112
Hexachlorobenzene	<0.076		1.52	0.852		mg/Kg	☼	56	54 - 114
Hexachlorobutadiene	<0.19		1.52	0.838		mg/Kg	☼	55	53 - 110
Hexachlorocyclopentadiene	<0.76		1.52	<0.76	F1	mg/Kg	☼	0	10 - 112
Hexachloroethane	<0.19		1.52	0.805		mg/Kg	☼	53	51 - 110
Indeno[1,2,3-cd]pyrene	<0.037		1.52	0.881		mg/Kg	☼	58	53 - 116
Isophorone	<0.19		1.52	0.912		mg/Kg	☼	60	49 - 110
2-Methylnaphthalene	<0.037		1.52	0.872		mg/Kg	☼	57	51 - 110
2-Methylphenol	<0.19		1.52	0.990		mg/Kg	☼	65	48 - 110
3 & 4 Methylphenol	<0.19		1.52	1.05		mg/Kg	☼	69	44 - 121
Naphthalene	<0.037		1.52	0.948		mg/Kg	☼	62	48 - 110
2-Nitroaniline	<0.19		1.52	1.30		mg/Kg	☼	86	53 - 126

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	<0.37		1.52	1.13		mg/Kg	✱	75	36 - 110
4-Nitroaniline	<0.37		1.52	1.34		mg/Kg	✱	88	44 - 124
Nitrobenzene	<0.037		1.52	0.983		mg/Kg	✱	65	52 - 110
2-Nitrophenol	<0.37		1.52	1.11		mg/Kg	✱	73	54 - 112
4-Nitrophenol	<0.76		3.03	1.84		mg/Kg	✱	61	39 - 125
N-Nitrosodi-n-propylamine	<0.19		1.52	1.02		mg/Kg	✱	68	40 - 121
N-Nitrosodiphenylamine	<0.19		1.52	1.14		mg/Kg	✱	75	58 - 110
2,2'-oxybis[1-chloropropane]	<0.19		1.52	1.11		mg/Kg	✱	73	36 - 110
Pentachlorophenol	<0.76		3.03	0.925		mg/Kg	✱	31	20 - 117
Phenanthrene	0.0082	J	1.52	1.10		mg/Kg	✱	72	51 - 116
Phenol	<0.19		1.52	1.18		mg/Kg	✱	78	49 - 110
Pyrene	<0.037		1.52	1.14		mg/Kg	✱	75	50 - 112
1,2,4-Trichlorobenzene	<0.19		1.52	0.842	F1	mg/Kg	✱	56	57 - 110
2,4,5-Trichlorophenol	<0.37		1.52	0.911		mg/Kg	✱	60	57 - 113
2,4,6-Trichlorophenol	<0.37		1.52	0.985		mg/Kg	✱	65	55 - 112

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	63		25 - 119
2-Fluorophenol	69		25 - 110
Nitrobenzene-d5	68		25 - 115
Phenol-d5	67		31 - 110
Terphenyl-d14	70		36 - 134
2,4,6-Tribromophenol	51		35 - 137

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	<0.037		1.47	1.14		mg/Kg	✱	78	53 - 110	13	30
Acenaphthylene	<0.037		1.47	1.01		mg/Kg	✱	69	51 - 110	8	30
Anthracene	<0.037		1.47	1.18		mg/Kg	✱	81	52 - 110	8	30
Benzo[a]anthracene	<0.037		1.47	1.26		mg/Kg	✱	86	57 - 110	4	30
Benzo[a]pyrene	<0.037		1.47	1.24		mg/Kg	✱	85	56 - 110	6	30
Benzo[b]fluoranthene	<0.037		1.47	1.08		mg/Kg	✱	74	50 - 110	2	30
Benzo[g,h,i]perylene	<0.037		1.47	0.951		mg/Kg	✱	65	54 - 117	9	30
Benzo[k]fluoranthene	<0.037		1.47	1.16		mg/Kg	✱	79	43 - 121	7	30
Bis(2-chloroethoxy)methane	<0.19		1.47	1.11		mg/Kg	✱	75	56 - 110	10	30
Bis(2-chloroethyl)ether	<0.19		1.47	1.13		mg/Kg	✱	77	48 - 110	15	30
Bis(2-ethylhexyl) phthalate	<0.19		1.47	1.41		mg/Kg	✱	96	56 - 114	3	30
4-Bromophenyl phenyl ether	<0.19		1.47	1.11		mg/Kg	✱	76	58 - 111	10	30
Butyl benzyl phthalate	<0.19		1.47	1.33		mg/Kg	✱	90	60 - 120	2	30
Carbazole	<0.19		1.47	1.27		mg/Kg	✱	87	57 - 110	5	30
4-Chloroaniline	<0.76		1.47	0.776		mg/Kg	✱	53	25 - 110	8	30
4-Chloro-3-methylphenol	<0.37		1.47	1.24		mg/Kg	✱	85	54 - 111	15	30
2-Chloronaphthalene	<0.19		1.47	1.10		mg/Kg	✱	75	54 - 110	9	30
2-Chlorophenol	<0.19		1.47	1.10		mg/Kg	✱	75	53 - 110	11	30
4-Chlorophenyl phenyl ether	<0.19		1.47	1.10		mg/Kg	✱	75	57 - 110	12	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chrysene	<0.037		1.47	1.25		mg/Kg	✱	85	54 - 110	4	30
Dibenz(a,h)anthracene	<0.037		1.47	1.07		mg/Kg	✱	73	52 - 118	8	30
Dibenzofuran	<0.19		1.47	1.08		mg/Kg	✱	74	54 - 110	9	30
1,2-Dichlorobenzene	<0.19		1.47	0.998		mg/Kg	✱	68	55 - 110	14	30
1,3-Dichlorobenzene	<0.19		1.47	0.917		mg/Kg	✱	63	52 - 110	15	30
1,4-Dichlorobenzene	<0.19		1.47	0.916		mg/Kg	✱	62	52 - 110	12	30
3,3'-Dichlorobenzidine	<0.19		1.47	1.19		mg/Kg	✱	81	31 - 110	10	30
2,4-Dichlorophenol	<0.37		1.47	1.18		mg/Kg	✱	80	60 - 110	10	30
Diethyl phthalate	<0.19		1.47	1.31		mg/Kg	✱	89	58 - 112	7	30
2,4-Dimethylphenol	<0.37		1.47	1.39		mg/Kg	✱	95	52 - 110	16	30
Dimethyl phthalate	<0.19		1.47	1.21		mg/Kg	✱	83	60 - 110	12	30
Di-n-butyl phthalate	<0.19		1.47	1.21		mg/Kg	✱	82	56 - 117	6	30
4,6-Dinitro-2-methylphenol	<0.37		2.93	2.19		mg/Kg	✱	75	10 - 110	17	30
2,4-Dinitrophenol	<0.76		2.93	2.21	F2	mg/Kg	✱	75	10 - 110	52	30
2,4-Dinitrotoluene	<0.19		1.47	1.24		mg/Kg	✱	84	57 - 116	5	30
2,6-Dinitrotoluene	<0.19		1.47	1.18		mg/Kg	✱	80	60 - 110	7	30
Di-n-octyl phthalate	<0.19		1.47	1.73		mg/Kg	✱	118	49 - 121	16	30
Fluoranthene	<0.037		1.47	1.19		mg/Kg	✱	81	55 - 113	6	30
Fluorene	<0.037		1.47	1.25		mg/Kg	✱	85	52 - 112	13	30
Hexachlorobenzene	<0.076		1.47	0.934		mg/Kg	✱	64	54 - 114	9	30
Hexachlorobutadiene	<0.19		1.47	0.925		mg/Kg	✱	63	53 - 110	10	30
Hexachlorocyclopentadiene	<0.76		1.47	<0.74	F1	mg/Kg	✱	0	10 - 112	NC	30
Hexachloroethane	<0.19		1.47	0.927		mg/Kg	✱	63	51 - 110	14	30
Indeno[1,2,3-cd]pyrene	<0.037		1.47	0.977		mg/Kg	✱	67	53 - 116	10	30
Isophorone	<0.19		1.47	1.02		mg/Kg	✱	69	49 - 110	11	30
2-Methylnaphthalene	<0.037		1.47	0.959		mg/Kg	✱	65	51 - 110	10	30
2-Methylphenol	<0.19		1.47	1.14		mg/Kg	✱	78	48 - 110	14	30
3 & 4 Methylphenol	<0.19		1.47	1.15		mg/Kg	✱	78	44 - 121	9	30
Naphthalene	<0.037		1.47	1.03		mg/Kg	✱	70	48 - 110	8	30
2-Nitroaniline	<0.19		1.47	1.45		mg/Kg	✱	99	53 - 126	11	30
3-Nitroaniline	<0.37		1.47	1.18		mg/Kg	✱	80	36 - 110	4	30
4-Nitroaniline	<0.37		1.47	1.33		mg/Kg	✱	91	44 - 124	0	30
Nitrobenzene	<0.037		1.47	1.15		mg/Kg	✱	78	52 - 110	16	30
2-Nitrophenol	<0.37		1.47	1.22		mg/Kg	✱	83	54 - 112	9	30
4-Nitrophenol	<0.76		2.93	1.76		mg/Kg	✱	60	39 - 125	4	30
N-Nitrosodi-n-propylamine	<0.19		1.47	1.11		mg/Kg	✱	76	40 - 121	8	30
N-Nitrosodiphenylamine	<0.19		1.47	1.26		mg/Kg	✱	86	58 - 110	10	30
2,2'-oxybis[1-chloropropane]	<0.19		1.47	1.25		mg/Kg	✱	85	36 - 110	12	30
Pentachlorophenol	<0.76		2.93	1.30		mg/Kg	✱	44	20 - 117	NC	30
Phenanthrene	0.0082	J	1.47	1.14		mg/Kg	✱	77	51 - 116	3	30
Phenol	<0.19		1.47	1.27		mg/Kg	✱	87	49 - 110	7	30
Pyrene	<0.037		1.47	1.17		mg/Kg	✱	79	50 - 112	3	30
1,2,4-Trichlorobenzene	<0.19		1.47	0.949		mg/Kg	✱	65	57 - 110	12	30
2,4,5-Trichlorophenol	<0.37		1.47	1.49	F2	mg/Kg	✱	102	57 - 113	48	30
2,4,6-Trichlorophenol	<0.37		1.47	1.02		mg/Kg	✱	70	55 - 112	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	71		25 - 119

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218873

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218462

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorophenol	77		25 - 110
Nitrobenzene-d5	79		25 - 115
Phenol-d5	77		31 - 110
Terphenyl-d14	75		36 - 134
2,4,6-Tribromophenol	69		35 - 137

Lab Sample ID: MB 500-218463/1-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218463

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Carbazole	<0.17		0.17	0.086	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4,6-Dinitro-2-methylphenol	<0.33		0.33	0.27	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4-Dinitrophenol	<0.67		0.67	0.59	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		01/02/14 07:08	01/02/14 17:40	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-218463/1-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218463

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.033		0.033	0.0047	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Isophorone	<0.17		0.17	0.037	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Methylnaphthalene	<0.033		0.033	0.0061	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2-Nitrophenol	<0.33		0.33	0.079	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.041	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Phenol	<0.17		0.17	0.074	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg		01/02/14 07:08	01/02/14 17:40	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg		01/02/14 07:08	01/02/14 17:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	01/02/14 07:08	01/02/14 17:40	1
2-Fluorophenol	72		25 - 110	01/02/14 07:08	01/02/14 17:40	1
Nitrobenzene-d5	77		25 - 115	01/02/14 07:08	01/02/14 17:40	1
Phenol-d5	76		31 - 110	01/02/14 07:08	01/02/14 17:40	1
Terphenyl-d14	102		36 - 134	01/02/14 07:08	01/02/14 17:40	1
2,4,6-Tribromophenol	86		35 - 137	01/02/14 07:08	01/02/14 17:40	1

Lab Sample ID: LCS 500-218463/2-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	0.983		mg/Kg		74	53 - 110
Acenaphthylene	1.33	1.01		mg/Kg		76	51 - 110
Anthracene	1.33	1.11		mg/Kg		84	52 - 110
Benzo[a]anthracene	1.33	1.05		mg/Kg		79	57 - 110
Benzo[a]pyrene	1.33	1.11		mg/Kg		84	56 - 110
Benzo[b]fluoranthene	1.33	1.13		mg/Kg		85	50 - 110
Benzo[g,h,i]perylene	1.33	1.12		mg/Kg		84	54 - 117

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218463/2-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[k]fluoranthene	1.33	1.08		mg/Kg		81	43 - 121
Bis(2-chloroethoxy)methane	1.33	1.13		mg/Kg		85	56 - 110
Bis(2-chloroethyl)ether	1.33	0.949		mg/Kg		71	48 - 110
Bis(2-ethylhexyl) phthalate	1.33	1.23		mg/Kg		92	56 - 114
4-Bromophenyl phenyl ether	1.33	1.23		mg/Kg		93	58 - 111
Butyl benzyl phthalate	1.33	1.29		mg/Kg		97	60 - 120
Carbazole	1.33	1.17		mg/Kg		88	57 - 110
4-Chloroaniline	1.33	0.949		mg/Kg		71	25 - 110
4-Chloro-3-methylphenol	1.33	1.32		mg/Kg		99	54 - 111
2-Chloronaphthalene	1.33	1.06		mg/Kg		79	54 - 110
2-Chlorophenol	1.33	1.09		mg/Kg		82	53 - 110
4-Chlorophenyl phenyl ether	1.33	1.23		mg/Kg		93	57 - 110
Chrysene	1.33	1.12		mg/Kg		84	54 - 110
Dibenz(a,h)anthracene	1.33	1.05		mg/Kg		79	52 - 118
Dibenzofuran	1.33	1.20		mg/Kg		90	54 - 110
1,2-Dichlorobenzene	1.33	1.12		mg/Kg		84	55 - 110
1,3-Dichlorobenzene	1.33	1.03		mg/Kg		77	52 - 110
1,4-Dichlorobenzene	1.33	1.05		mg/Kg		78	52 - 110
3,3'-Dichlorobenzidine	1.33	1.05		mg/Kg		79	31 - 110
2,4-Dichlorophenol	1.33	1.26		mg/Kg		94	60 - 110
Diethyl phthalate	1.33	1.27		mg/Kg		95	58 - 112
2,4-Dimethylphenol	1.33	1.16		mg/Kg		87	52 - 110
Dimethyl phthalate	1.33	1.13		mg/Kg		85	60 - 110
Di-n-butyl phthalate	1.33	1.08		mg/Kg		81	56 - 117
4,6-Dinitro-2-methylphenol	2.67	0.825		mg/Kg		31	10 - 110
2,4-Dinitrophenol	2.67	<0.67		mg/Kg		13	10 - 110
2,4-Dinitrotoluene	1.33	1.33		mg/Kg		100	57 - 116
2,6-Dinitrotoluene	1.33	1.29		mg/Kg		97	60 - 110
Di-n-octyl phthalate	1.33	1.12		mg/Kg		84	49 - 121
Fluoranthene	1.33	1.25		mg/Kg		94	55 - 113
Fluorene	1.33	1.14		mg/Kg		86	52 - 112
Hexachlorobenzene	1.33	1.16		mg/Kg		87	54 - 114
Hexachlorobutadiene	1.33	1.14		mg/Kg		85	53 - 110
Hexachlorocyclopentadiene	1.33	0.848		mg/Kg		64	10 - 112
Hexachloroethane	1.33	1.09		mg/Kg		81	51 - 110
Indeno[1,2,3-cd]pyrene	1.33	1.09		mg/Kg		81	53 - 116
Isophorone	1.33	1.07		mg/Kg		80	49 - 110
2-Methylnaphthalene	1.33	1.09		mg/Kg		82	51 - 110
2-Methylphenol	1.33	1.22		mg/Kg		92	48 - 110
3 & 4 Methylphenol	1.33	1.28		mg/Kg		96	44 - 121
Naphthalene	1.33	1.09		mg/Kg		82	48 - 110
2-Nitroaniline	1.33	1.19		mg/Kg		90	53 - 126
3-Nitroaniline	1.33	1.12		mg/Kg		84	36 - 110
4-Nitroaniline	1.33	0.988		mg/Kg		74	44 - 124
Nitrobenzene	1.33	0.911		mg/Kg		68	52 - 110
2-Nitrophenol	1.33	1.21		mg/Kg		90	54 - 112
4-Nitrophenol	2.67	2.30		mg/Kg		86	39 - 125
N-Nitrosodi-n-propylamine	1.33	1.18		mg/Kg		89	40 - 121

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-218463/2-A

Matrix: Solid

Analysis Batch: 218566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	1.33	1.15		mg/Kg		86	58 - 110
2,2'-oxybis[1-chloropropane]	1.33	0.996		mg/Kg		75	36 - 110
Pentachlorophenol	2.67	1.99		mg/Kg		74	20 - 117
Phenanthrene	1.33	1.11		mg/Kg		83	51 - 116
Phenol	1.33	1.16		mg/Kg		87	49 - 110
Pyrene	1.33	1.20		mg/Kg		90	50 - 112
1,2,4-Trichlorobenzene	1.33	1.11		mg/Kg		83	57 - 110
2,4,5-Trichlorophenol	1.33	1.25		mg/Kg		93	57 - 113
2,4,6-Trichlorophenol	1.33	1.19		mg/Kg		89	55 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	81		25 - 119
2-Fluorophenol	65		25 - 110
Nitrobenzene-d5	72		25 - 115
Phenol-d5	89		31 - 110
Terphenyl-d14	98		36 - 134
2,4,6-Tribromophenol	99		35 - 137

Lab Sample ID: 500-69043-11 MS

Matrix: Solid

Analysis Batch: 218651

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.034		1.34	1.10		mg/Kg	☼	82	53 - 110
Acenaphthylene	<0.034		1.34	1.08		mg/Kg	☼	80	51 - 110
Anthracene	<0.034		1.34	1.27		mg/Kg	☼	95	52 - 110
Benzo[a]anthracene	<0.034		1.34	1.14		mg/Kg	☼	85	57 - 110
Benzo[a]pyrene	<0.034		1.34	1.09		mg/Kg	☼	81	56 - 110
Benzo[b]fluoranthene	<0.034		1.34	1.15		mg/Kg	☼	85	50 - 110
Benzo[g,h,i]perylene	<0.034		1.34	1.15		mg/Kg	☼	85	54 - 117
Benzo[k]fluoranthene	<0.034		1.34	1.10		mg/Kg	☼	82	43 - 121
Bis(2-chloroethoxy)methane	<0.17		1.34	1.11		mg/Kg	☼	83	56 - 110
Bis(2-chloroethyl)ether	<0.17		1.34	1.08		mg/Kg	☼	80	48 - 110
Bis(2-ethylhexyl) phthalate	<0.17		1.34	1.22		mg/Kg	☼	91	56 - 114
4-Bromophenyl phenyl ether	<0.17		1.34	1.19		mg/Kg	☼	89	58 - 111
Butyl benzyl phthalate	<0.17		1.34	1.21		mg/Kg	☼	90	60 - 120
Carbazole	<0.17		1.34	1.29		mg/Kg	☼	96	57 - 110
4-Chloroaniline	<0.68		1.34	0.913		mg/Kg	☼	68	25 - 110
4-Chloro-3-methylphenol	<0.34		1.34	1.28		mg/Kg	☼	95	54 - 111
2-Chloronaphthalene	<0.17		1.34	1.20		mg/Kg	☼	89	54 - 110
2-Chlorophenol	<0.17		1.34	1.12		mg/Kg	☼	83	53 - 110
4-Chlorophenyl phenyl ether	<0.17		1.34	1.19		mg/Kg	☼	89	57 - 110
Chrysene	<0.034		1.34	1.16		mg/Kg	☼	86	54 - 110
Dibenz(a,h)anthracene	<0.034		1.34	1.13		mg/Kg	☼	84	52 - 118
Dibenzofuran	<0.17		1.34	1.28		mg/Kg	☼	96	54 - 110
1,2-Dichlorobenzene	<0.17		1.34	1.02		mg/Kg	☼	76	55 - 110
1,3-Dichlorobenzene	<0.17		1.34	0.913		mg/Kg	☼	68	52 - 110
1,4-Dichlorobenzene	<0.17		1.34	0.930		mg/Kg	☼	69	52 - 110

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-11 MS

Matrix: Solid

Analysis Batch: 218651

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	<0.17		1.34	1.12		mg/Kg	✱	84	31 - 110
2,4-Dichlorophenol	<0.34		1.34	1.27		mg/Kg	✱	94	60 - 110
Diethyl phthalate	<0.17		1.34	1.35		mg/Kg	✱	100	58 - 112
2,4-Dimethylphenol	<0.34		1.34	1.29		mg/Kg	✱	96	52 - 110
Dimethyl phthalate	<0.17		1.34	1.13		mg/Kg	✱	84	60 - 110
Di-n-butyl phthalate	<0.17		1.34	1.24		mg/Kg	✱	93	56 - 117
4,6-Dinitro-2-methylphenol	<0.34		2.68	0.330		mg/Kg	✱	12	10 - 110
2,4-Dinitrophenol	<0.68		2.68	<0.67	F1	mg/Kg	✱	0	10 - 110
2,4-Dinitrotoluene	<0.17		1.34	1.16		mg/Kg	✱	86	57 - 116
2,6-Dinitrotoluene	<0.17		1.34	1.12		mg/Kg	✱	83	60 - 110
Di-n-octyl phthalate	<0.17		1.34	1.12		mg/Kg	✱	84	49 - 121
Fluoranthene	<0.034		1.34	1.12		mg/Kg	✱	84	55 - 113
Fluorene	<0.034		1.34	1.21		mg/Kg	✱	90	52 - 112
Hexachlorobenzene	<0.068		1.34	1.11		mg/Kg	✱	83	54 - 114
Hexachlorobutadiene	<0.17		1.34	1.14		mg/Kg	✱	85	53 - 110
Hexachlorocyclopentadiene	<0.68		1.34	<0.67	F1	mg/Kg	✱	0	10 - 112
Hexachloroethane	<0.17		1.34	0.878		mg/Kg	✱	65	51 - 110
Indeno[1,2,3-cd]pyrene	<0.034		1.34	1.09		mg/Kg	✱	81	53 - 116
Isophorone	<0.17		1.34	1.01		mg/Kg	✱	76	49 - 110
2-Methylnaphthalene	<0.034		1.34	1.06		mg/Kg	✱	79	51 - 110
2-Methylphenol	<0.17		1.34	1.17		mg/Kg	✱	87	48 - 110
3 & 4 Methylphenol	<0.17		1.34	1.15		mg/Kg	✱	86	44 - 121
Naphthalene	<0.034		1.34	1.13		mg/Kg	✱	84	48 - 110
2-Nitroaniline	<0.17		1.34	1.19		mg/Kg	✱	88	53 - 126
3-Nitroaniline	<0.34		1.34	1.13		mg/Kg	✱	84	36 - 110
4-Nitroaniline	<0.34		1.34	1.28		mg/Kg	✱	95	44 - 124
Nitrobenzene	<0.034		1.34	1.06		mg/Kg	✱	79	52 - 110
2-Nitrophenol	<0.34		1.34	1.11		mg/Kg	✱	83	54 - 112
4-Nitrophenol	<0.68		2.68	2.59		mg/Kg	✱	96	39 - 125
N-Nitrosodi-n-propylamine	<0.17		1.34	0.956		mg/Kg	✱	71	40 - 121
N-Nitrosodiphenylamine	<0.17		1.34	1.27		mg/Kg	✱	94	58 - 110
2,2'-oxybis[1-chloropropane]	<0.17		1.34	0.783		mg/Kg	✱	58	36 - 110
Pentachlorophenol	<0.68		2.68	2.27		mg/Kg	✱	85	20 - 117
Phenanthrene	<0.034		1.34	1.31		mg/Kg	✱	97	51 - 116
Phenol	<0.17		1.34	1.26		mg/Kg	✱	94	49 - 110
Pyrene	<0.034		1.34	1.24		mg/Kg	✱	92	50 - 112
1,2,4-Trichlorobenzene	<0.17		1.34	1.09		mg/Kg	✱	81	57 - 110
2,4,5-Trichlorophenol	<0.34		1.34	1.38		mg/Kg	✱	103	57 - 113
2,4,6-Trichlorophenol	<0.34		1.34	1.16		mg/Kg	✱	87	55 - 112

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	80		25 - 119
2-Fluorophenol	80		25 - 110
Nitrobenzene-d5	79		25 - 115
Phenol-d5	84		31 - 110
Terphenyl-d14	101		36 - 134
2,4,6-Tribromophenol	101		35 - 137

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-11 MSD

Matrix: Solid

Analysis Batch: 218651

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	<0.034		1.38	1.08		mg/Kg	☼	79	53 - 110	1	30
Acenaphthylene	<0.034		1.38	1.08		mg/Kg	☼	78	51 - 110	0	30
Anthracene	<0.034		1.38	1.22		mg/Kg	☼	88	52 - 110	4	30
Benzo[a]anthracene	<0.034		1.38	1.14		mg/Kg	☼	83	57 - 110	0	30
Benzo[a]pyrene	<0.034		1.38	1.06		mg/Kg	☼	77	56 - 110	3	30
Benzo[b]fluoranthene	<0.034		1.38	1.09		mg/Kg	☼	80	50 - 110	5	30
Benzo[g,h,i]perylene	<0.034		1.38	1.12		mg/Kg	☼	82	54 - 117	2	30
Benzo[k]fluoranthene	<0.034		1.38	1.19		mg/Kg	☼	86	43 - 121	8	30
Bis(2-chloroethoxy)methane	<0.17		1.38	1.11		mg/Kg	☼	81	56 - 110	0	30
Bis(2-chloroethyl)ether	<0.17		1.38	1.08		mg/Kg	☼	79	48 - 110	1	30
Bis(2-ethylhexyl) phthalate	<0.17		1.38	1.30		mg/Kg	☼	94	56 - 114	6	30
4-Bromophenyl phenyl ether	<0.17		1.38	1.18		mg/Kg	☼	86	58 - 111	1	30
Butyl benzyl phthalate	<0.17		1.38	1.27		mg/Kg	☼	92	60 - 120	5	30
Carbazole	<0.17		1.38	1.26		mg/Kg	☼	92	57 - 110	2	30
4-Chloroaniline	<0.68		1.38	0.946		mg/Kg	☼	69	25 - 110	4	30
4-Chloro-3-methylphenol	<0.34		1.38	1.28		mg/Kg	☼	93	54 - 111	0	30
2-Chloronaphthalene	<0.17		1.38	1.20		mg/Kg	☼	87	54 - 110	0	30
2-Chlorophenol	<0.17		1.38	1.12		mg/Kg	☼	81	53 - 110	0	30
4-Chlorophenyl phenyl ether	<0.17		1.38	1.22		mg/Kg	☼	89	57 - 110	3	30
Chrysene	<0.034		1.38	1.18		mg/Kg	☼	86	54 - 110	2	30
Dibenz(a,h)anthracene	<0.034		1.38	1.12		mg/Kg	☼	81	52 - 118	1	30
Dibenzofuran	<0.17		1.38	1.29		mg/Kg	☼	93	54 - 110	0	30
1,2-Dichlorobenzene	<0.17		1.38	1.03		mg/Kg	☼	75	55 - 110	1	30
1,3-Dichlorobenzene	<0.17		1.38	0.932		mg/Kg	☼	68	52 - 110	2	30
1,4-Dichlorobenzene	<0.17		1.38	0.949		mg/Kg	☼	69	52 - 110	2	30
3,3'-Dichlorobenzidine	<0.17		1.38	1.10		mg/Kg	☼	80	31 - 110	2	30
2,4-Dichlorophenol	<0.34		1.38	1.27		mg/Kg	☼	92	60 - 110	0	30
Diethyl phthalate	<0.17		1.38	1.34		mg/Kg	☼	97	58 - 112	1	30
2,4-Dimethylphenol	<0.34		1.38	1.29		mg/Kg	☼	94	52 - 110	0	30
Dimethyl phthalate	<0.17		1.38	1.15		mg/Kg	☼	83	60 - 110	1	30
Di-n-butyl phthalate	<0.17		1.38	1.34		mg/Kg	☼	97	56 - 117	8	30
4,6-Dinitro-2-methylphenol	<0.34		2.75	0.372		mg/Kg	☼	14	10 - 110	12	30
2,4-Dinitrophenol	<0.68		2.75	<0.69	F1	mg/Kg	☼	0	10 - 110	NC	30
2,4-Dinitrotoluene	<0.17		1.38	1.16		mg/Kg	☼	84	57 - 116	0	30
2,6-Dinitrotoluene	<0.17		1.38	1.12		mg/Kg	☼	82	60 - 110	1	30
Di-n-octyl phthalate	<0.17		1.38	1.32		mg/Kg	☼	96	49 - 121	16	30
Fluoranthene	<0.034		1.38	1.21		mg/Kg	☼	88	55 - 113	7	30
Fluorene	<0.034		1.38	1.20		mg/Kg	☼	87	52 - 112	1	30
Hexachlorobenzene	<0.068		1.38	1.09		mg/Kg	☼	79	54 - 114	2	30
Hexachlorobutadiene	<0.17		1.38	1.14		mg/Kg	☼	83	53 - 110	0	30
Hexachlorocyclopentadiene	<0.68		1.38	<0.69	F1	mg/Kg	☼	0	10 - 112	NC	30
Hexachloroethane	<0.17		1.38	0.945		mg/Kg	☼	69	51 - 110	7	30
Indeno[1,2,3-cd]pyrene	<0.034		1.38	1.08		mg/Kg	☼	79	53 - 116	1	30
Isophorone	<0.17		1.38	1.02		mg/Kg	☼	74	49 - 110	1	30
2-Methylnaphthalene	<0.034		1.38	0.999		mg/Kg	☼	73	51 - 110	6	30
2-Methylphenol	<0.17		1.38	1.21		mg/Kg	☼	88	48 - 110	3	30
3 & 4 Methylphenol	<0.17		1.38	1.34		mg/Kg	☼	98	44 - 121	16	30
Naphthalene	<0.034		1.38	1.11		mg/Kg	☼	81	48 - 110	2	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-69043-11 MSD

Matrix: Solid

Analysis Batch: 218651

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitroaniline	<0.17		1.38	1.16		mg/Kg	✱	84	53 - 126	2	30
3-Nitroaniline	<0.34		1.38	1.15		mg/Kg	✱	84	36 - 110	2	30
4-Nitroaniline	<0.34		1.38	1.30		mg/Kg	✱	95	44 - 124	2	30
Nitrobenzene	<0.034		1.38	1.11		mg/Kg	✱	81	52 - 110	5	30
2-Nitrophenol	<0.34		1.38	1.11		mg/Kg	✱	81	54 - 112	0	30
4-Nitrophenol	<0.68		2.75	2.50		mg/Kg	✱	91	39 - 125	3	30
N-Nitrosodi-n-propylamine	<0.17		1.38	1.02		mg/Kg	✱	74	40 - 121	6	30
N-Nitrosodiphenylamine	<0.17		1.38	1.24		mg/Kg	✱	90	58 - 110	2	30
2,2'-oxybis[1-chloropropane]	<0.17		1.38	0.806		mg/Kg	✱	59	36 - 110	3	30
Pentachlorophenol	<0.68		2.75	2.29		mg/Kg	✱	83	20 - 117	1	30
Phenanthrene	<0.034		1.38	1.24		mg/Kg	✱	90	51 - 116	5	30
Phenol	<0.17		1.38	1.26		mg/Kg	✱	91	49 - 110	0	30
Pyrene	<0.034		1.38	1.18		mg/Kg	✱	86	50 - 112	4	30
1,2,4-Trichlorobenzene	<0.17		1.38	1.10		mg/Kg	✱	80	57 - 110	1	30
2,4,5-Trichlorophenol	<0.34		1.38	1.41		mg/Kg	✱	102	57 - 113	2	30
2,4,6-Trichlorophenol	<0.34		1.38	1.10		mg/Kg	✱	80	55 - 112	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	78		25 - 119
2-Fluorophenol	80		25 - 110
Nitrobenzene-d5	77		25 - 115
Phenol-d5	82		31 - 110
Terphenyl-d14	95		36 - 134
2,4,6-Tribromophenol	105		35 - 137

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-218329/1-A

Matrix: Solid

Analysis Batch: 218474

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.255	J	0.50	0.15	mg/Kg		12/31/13 09:30	01/01/14 01:43	1

Lab Sample ID: LCS 500-218329/2-A

Matrix: Solid

Analysis Batch: 218474

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	10.2		mg/Kg		102	80 - 120

Lab Sample ID: 500-69043-11 MS

Matrix: Solid

Analysis Batch: 218474

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.6	B	9.52	7.85	F1	mg/Kg	✱	55	75 - 125

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-69043-11 MSD

Matrix: Solid

Analysis Batch: 218474

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2.6	B	9.34	12.0	F2	mg/Kg	☼	100	75 - 125	42	20

Lab Sample ID: 500-69043-11 DU

Matrix: Solid

Analysis Batch: 218474

Client Sample ID: GP-06A-131219

Prep Type: Total/NA

Prep Batch: 218329

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	2.6	B	2.78		mg/Kg	☼	5	20

Lab Sample ID: MB 500-218336/1-A

Matrix: Solid

Analysis Batch: 218473

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 218336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.164	J	0.50	0.15	mg/Kg		12/31/13 09:45	12/31/13 13:46	1

Lab Sample ID: LCS 500-218336/2-A

Matrix: Solid

Analysis Batch: 218473

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 218336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	10.3		mg/Kg		103	80 - 120

Lab Sample ID: 500-69043-26 MS

Matrix: Solid

Analysis Batch: 218473

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	7.9	B	9.83	14.2	F1	mg/Kg	☼	65	75 - 125

Lab Sample ID: 500-69043-26 MSD

Matrix: Solid

Analysis Batch: 218473

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	7.9	B	11.0	13.3	F1	mg/Kg	☼	49	75 - 125	7	20

Lab Sample ID: 500-69043-26 DU

Matrix: Solid

Analysis Batch: 218473

Client Sample ID: GP-04A-131220

Prep Type: Total/NA

Prep Batch: 218336

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	7.9	B	7.85		mg/Kg	☼	0.6	20

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-01A-131219

Date Collected: 12/19/13 09:30

Date Received: 12/20/13 17:15

Lab Sample ID: 500-69043-1

Matrix: Solid

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 17:53	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 13:43	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:10	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-01B-131219

Date Collected: 12/19/13 09:45

Date Received: 12/20/13 17:15

Lab Sample ID: 500-69043-2

Matrix: Solid

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 09:45	WRE	TAL CHI
Total/NA	Analysis	8260B		500	218455	01/01/14 19:27	BBS	TAL CHI
Total/NA	Prep	5035	DL		218172	12/19/13 09:45	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	5000	218455	01/01/14 19:54	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 14:02	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:16	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-02A-131219

Date Collected: 12/19/13 10:30

Date Received: 12/20/13 17:15

Lab Sample ID: 500-69043-3

Matrix: Solid

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 18:16	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 14:20	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:22	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-02B-131219

Date Collected: 12/19/13 10:45

Date Received: 12/20/13 17:15

Lab Sample ID: 500-69043-4

Matrix: Solid

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 10:45	WRE	TAL CHI
Total/NA	Analysis	8260B		5000	218455	01/01/14 20:21	BBS	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-02B-131219

Lab Sample ID: 500-69043-4

Date Collected: 12/19/13 10:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	DL		218172	12/19/13 10:45	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	50000	218455	01/01/14 20:49	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		5	219013	01/08/14 10:57	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:29	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-03A-131219

Lab Sample ID: 500-69043-5

Date Collected: 12/19/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 18:38	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 17:33	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:35	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-03B-131219

Lab Sample ID: 500-69043-6

Date Collected: 12/19/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		100	218455	01/01/14 21:16	BBS	TAL CHI
Total/NA	Prep	5035	DL		218172	12/19/13 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	1000	218455	01/01/14 21:43	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 17:52	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:41	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Date Collected: 12/19/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 19:01	DJD	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-05A-131219

Lab Sample ID: 500-69043-7

Date Collected: 12/19/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 18:11	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:47	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-05B-131219

Lab Sample ID: 500-69043-8

Date Collected: 12/19/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 13:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	218455	01/01/14 22:10	BBS	TAL CHI
Total/NA	Prep	5035	DL		218172	12/19/13 13:45	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	218487	01/02/14 12:51	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		5	219013	01/08/14 11:17	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 02:54	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-08A-131219

Lab Sample ID: 500-69043-9

Date Collected: 12/19/13 15:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 19:24	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 18:48	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 03:00	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Date Collected: 12/19/13 16:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 16:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	218455	01/01/14 22:37	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 19:07	AJD	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-08B-131219

Lab Sample ID: 500-69043-10

Date Collected: 12/19/13 16:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 03:06	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-06A-131219

Lab Sample ID: 500-69043-11

Date Collected: 12/19/13 14:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 19:46	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 19:25	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 03:27	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-06B-131219

Lab Sample ID: 500-69043-12

Date Collected: 12/19/13 14:50

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 14:50	WRE	TAL CHI
Total/NA	Analysis	8260B		500	218455	01/01/14 23:05	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 19:44	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 03:58	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-06B-131219D

Lab Sample ID: 500-69043-13

Date Collected: 12/19/13 14:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/19/13 14:55	WRE	TAL CHI
Total/NA	Analysis	8260B		500	218455	01/01/14 23:32	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 20:03	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:05	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: Trip Blank 121913

Lab Sample ID: 500-69043-14

Date Collected: 12/19/13 00:00

Matrix: Water

Date Received: 12/20/13 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218369	12/31/13 16:09	JMP	TAL CHI

Client Sample ID: GP-09A-131220

Lab Sample ID: 500-69043-15

Date Collected: 12/20/13 08:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218482	01/02/14 12:53	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 11:36	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:11	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-09B-131220

Lab Sample ID: 500-69043-16

Date Collected: 12/20/13 08:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 20:54	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	218651	01/03/14 20:40	AJD	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:17	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-10A-131220

Lab Sample ID: 500-69043-17

Date Collected: 12/20/13 09:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 21:17	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 11:55	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:23	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-10B-131220

Lab Sample ID: 500-69043-18

Date Collected: 12/20/13 10:00

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218334	12/31/13 21:40	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 12:15	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:44	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-11A-131220

Lab Sample ID: 500-69043-19

Date Collected: 12/20/13 11:20

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218482	01/02/14 13:16	DJD	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 12:54	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:51	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-11B-131220

Lab Sample ID: 500-69043-20

Date Collected: 12/20/13 11:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		100	218487	01/02/14 19:29	BBS	TAL CHI
Total/NA	Prep	5035	DL		218172	12/20/13 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	5000	218642	01/03/14 11:34	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 13:13	PMF	TAL CHI
Total/NA	Prep	3541	DL		218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D	DL	5	219013	01/08/14 15:08	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 04:57	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-11B-131220D

Lab Sample ID: 500-69043-21

Date Collected: 12/20/13 11:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		500	218487	01/02/14 20:51	BBS	TAL CHI
Total/NA	Prep	5035	DL		218172	12/20/13 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	5000	218642	01/03/14 12:01	BBS	TAL CHI
Total/NA	Prep	3541			218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D		1	219013	01/08/14 13:33	PMF	TAL CHI
Total/NA	Prep	3541	DL		218463	01/02/14 07:08	STW	TAL CHI
Total/NA	Analysis	8270D	DL	20	219013	01/08/14 15:26	PMF	TAL CHI
Total/NA	Prep	3050B			218329	12/31/13 09:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218474	01/01/14 05:03	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: Trip Blank 122013

Lab Sample ID: 500-69043-22

Date Collected: 12/20/13 00:00

Matrix: Water

Date Received: 12/20/13 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218488	01/02/14 19:02	BBS	TAL CHI

Client Sample ID: GP-07A-131220

Lab Sample ID: 500-69043-23

Date Collected: 12/20/13 13:30

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 13:30	WRE	TAL CHI
Total/NA	Analysis	8260B		5000	218601	01/03/14 02:56	EMA	TAL CHI
Total/NA	Prep	3541			218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D		1	218873	01/07/14 21:19	GES	TAL CHI
Total/NA	Prep	3050B			218336	12/31/13 09:45	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218473	12/31/13 13:59	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Date Collected: 12/20/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 13:45	WRE	TAL CHI
Total/NA	Analysis	8260B		5000	218601	01/03/14 03:20	EMA	TAL CHI
Total/NA	Prep	3541			218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D		1	218873	01/07/14 21:42	GES	TAL CHI
Total/NA	Prep	3050B			218336	12/31/13 09:45	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218473	12/31/13 14:05	LEG	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Client Sample ID: GP-07B-131220

Lab Sample ID: 500-69043-24

Date Collected: 12/20/13 13:45

Matrix: Solid

Date Received: 12/20/13 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-07B-131220D

Lab Sample ID: 500-69043-25

Date Collected: 12/20/13 13:55

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 13:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	218601	01/03/14 03:43	EMA	TAL CHI
Total/NA	Prep	3541			218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D		1	218873	01/07/14 22:05	GES	TAL CHI
Total/NA	Prep	3050B			218336	12/31/13 09:45	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218473	12/31/13 14:11	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-04A-131220

Lab Sample ID: 500-69043-26

Date Collected: 12/20/13 14:25

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			217834	12/21/13 06:55	WEH	TAL CHI
Total/NA	Analysis	8260B		1	218482	01/02/14 13:39	DJD	TAL CHI
Total/NA	Prep	3541			218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D		1	218873	01/07/14 22:28	GES	TAL CHI
Total/NA	Prep	3050B			218336	12/31/13 09:45	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218473	12/31/13 14:17	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

Client Sample ID: GP-04B-131220

Lab Sample ID: 500-69043-27

Date Collected: 12/20/13 14:35

Matrix: Solid

Date Received: 12/20/13 17:15

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			218172	12/20/13 14:35	WRE	TAL CHI
Total/NA	Analysis	8260B		5000	218601	01/03/14 04:07	EMA	TAL CHI
Total/NA	Prep	3541			218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D		1	218873	01/07/14 22:51	GES	TAL CHI
Total/NA	Prep	3541	DL		218462	01/02/14 07:04	STW	TAL CHI
Total/NA	Analysis	8270D	DL	5	219013	01/08/14 13:52	PMF	TAL CHI
Total/NA	Prep	3050B			218336	12/31/13 09:45	MJP	TAL CHI
Total/NA	Analysis	6010B		1	218473	12/31/13 15:33	LEG	TAL CHI
Total/NA	Analysis	Moisture		1	217924	12/27/13 12:00	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Certification Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-69043-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-14
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-14
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	04-30-14
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.5



500-69043 COC

Report To (optional)
Contact: Chris Albrecht
Company: CDM Smith
Address: 125 S. Wacker Dr
Address: Ste 600
Phone: 312-346-5000
Fax:
E-Mail: albrecht.ca@cdm.com

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-69043

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.6, 2.9

Client		Client Project #		Preservative															
CDM Smith		101127																	
Project Name				Parameter															
Wedron																			
Project Location/State				Lab Project #															
Wedron, IL																			
Sampler				Lab PM															
C. Cox																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SvOCs, Total Lead											
1		GP-01A-131219	12/19/13	0930	5	S	X	X											
2		GP-01B-131219		0945	5	S	X	X											
3		GP-02A-131219		1030	5	S	X	X											
4		GP-02B-131219		1045	5	S	X	X											
5		GP-03A-131219		1130	5	S	X	X											
6		GP-03B-131219		1145	5	S	X	X											
7		GP-05A-131219		1330	5	S	X	X											
8		GP-05B-131219		1345	5	S	X	X											
9		GP-08A-131219		1545	5	S	X	X											
10		GP-08B-131219		1600	5	S	X	X											

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Comments

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days X 10 Days 15 Days Other

Requested Due Date

Sample Disposal

☐ Return to Client

☒ Disposal by Lab

☐ Archive for Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Catherine Cox</u>	Company <u>CDM Smith</u>	Date <u>12/20/13</u>	Time <u>1530</u>	Received By <u>TA</u>	Company <u>TA</u>	Date <u>12/20/13</u>	Time <u>1530</u>
Relinquished By <u>TA</u>	Company <u>TA</u>	Date <u>12/20/13</u>	Time <u>1715</u>	Received By <u>Therese Scotts</u>	Company <u>TA-CHT</u>	Date <u>12/20/13</u>	Time <u>1715</u>

Lab Courier TA

Shipped

Hand Delivered

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge Wt - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: Chris Albrecht
Company: CDMSmith
Address: 125 S. Wacker Dr
Address: Ste 600
Phone: 312-346-5000
Fax:
E-Mail: albrecht.c@cdm.com

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-69043
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 2.6, 2.9

Client <u>CDMSmith</u>		Client Project # <u>101127</u>		Preservative		7	
Project Name <u>Wedron</u>		Lab Project #		Parameter			
Project Location/State <u>Wedron, IL</u>		Lab PM					
Sampler <u>C. Cox</u>							
Lab ID	MS/ASD	Sample ID	Date	Time	# of Containers	Matrix	
23		GP-07A-131220	12/20/13	1330	5	S	X
24		GP-07B-131220		1345	5	S	X
25		GP-07B-131220D		1355	5	S	X
26	X	GP-04A-131220		1425	15	S	X
27		GP-04B-131220		1435	5	S	X

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Comments

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days 10 Days X 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Calvin Cox</u>	Company <u>CDMSmith</u>	Date <u>12/20/13</u>	Time <u>1530</u>	Received By <u>K. C. B.</u>	Company <u>TA</u>	Date <u>12/20/13</u>	Time <u>1530</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>12/20/13</u>	Time <u>1715</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CHS</u>	Date <u>12/20/13</u>	Time <u>1715</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA

Shipped: ☐

Hand Delivered: ☐

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WL - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 500-69043-1

Login Number: 69043

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CDM Smith 2014 DATA

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-74118-1

Client Project/Site: 3450 E 2056th Wedron IL

For:

CDM Smith, Inc.

125 South Wacker Drive

Suite 600

Chicago, Illinois 60606

Attn: Chris Albrecht



Authorized for release by:

4/7/2014 2:10:08 PM

Bonnie Stadelmann, Senior Project Manager

(708)534-5200

bonnie.stadelmann@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Job ID: 500-74118-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-74118-1

Comments

No additional comments.

Receipt

The samples were received on 3/28/2014 3:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) for batch 229355 recovered outside control limits for the following analytes: Bromomethane, Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following samples were diluted due to the abundance of non-target analytes: GP-12B-140327 (500-74118-2), GP-14B-140327 (500-74118-7), GP-15B-140327 (500-74118-9). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 229335 had 2 analytes outside control limits: Bis(2-ethylhexyl) phthalate @ 134% (limits are 52-129%) and Butyl benzyl phthalate @ 135% (limits are 54-126%). This is within marginal exceedence; therefore, corrective action was not performed. These results have been reported and qualified. GP-12A-140327 (500-74118-1), GP-12B-140327 (500-74118-2), GP-13A-140328 (500-74118-3), GP-13A-140328D (500-74118-5), GP-13B-140328 (500-74118-4), GP-14A-140327 (500-74118-6), GP-14B-140327 (500-74118-7), GP-15A-140327 (500-74118-8), GP-15B-140327 (500-74118-9)

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12A-140327

Lab Sample ID: 500-74118-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.020		0.0048	0.0021	mg/Kg	1	☼	8260B	Total/NA
Lead	13		0.58	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-12B-140327

Lab Sample ID: 500-74118-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.020	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.018	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.013	J	0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.024	J	0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.014	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.038	J	0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.075		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Lead	11		0.53	0.16	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-13A-140328

Lab Sample ID: 500-74118-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.52	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-13B-140328

Lab Sample ID: 500-74118-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	10		0.56	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-13A-140328D

Lab Sample ID: 500-74118-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0056		0.0055	0.0024	mg/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.11	J *	0.18	0.065	mg/Kg	1	☼	8270D	Total/NA
Lead	4.3		0.54	0.16	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-14A-140327

Lab Sample ID: 500-74118-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.9		0.52	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-14B-140327

Lab Sample ID: 500-74118-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.53		0.029	0.015	mg/Kg	100	☼	8260B	Total/NA
Toluene	0.069		0.029	0.013	mg/Kg	100	☼	8260B	Total/NA
Xylenes, Total	2.1		0.058	0.0080	mg/Kg	100	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.34	*	0.19	0.069	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.090		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.026	J	0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Lead	4.1		0.51	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-15A-140327

Lab Sample ID: 500-74118-8

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15A-140327 (Continued)

Lab Sample ID: 500-74118-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.031		0.0044	0.0019	mg/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.32	*	0.18	0.067	mg/Kg	1	☼	8270D	Total/NA
Lead	11		0.50	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: GP-15B-140327

Lab Sample ID: 500-74118-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	11		0.054	0.027	mg/Kg	200	☼	8260B	Total/NA
Toluene	0.092		0.054	0.025	mg/Kg	200	☼	8260B	Total/NA
Xylenes, Total	24		0.11	0.015	mg/Kg	200	☼	8260B	Total/NA
Fluorene	0.012	J	0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.15		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.049		0.036	0.0056	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.021	J	0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.011	J	0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Lead	9.2		0.47	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-74118-10

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-74118-1	GP-12A-140327	Solid	03/27/14 08:40	03/28/14 15:34
500-74118-2	GP-12B-140327	Solid	03/27/14 08:55	03/28/14 15:34
500-74118-3	GP-13A-140328	Solid	03/28/14 11:10	03/28/14 15:34
500-74118-4	GP-13B-140328	Solid	03/28/14 11:20	03/28/14 15:34
500-74118-5	GP-13A-140328D	Solid	03/28/14 11:15	03/28/14 15:34
500-74118-6	GP-14A-140327	Solid	03/27/14 15:30	03/28/14 15:34
500-74118-7	GP-14B-140327	Solid	03/27/14 16:00	03/28/14 15:34
500-74118-8	GP-15A-140327	Solid	03/27/14 11:50	03/28/14 15:34
500-74118-9	GP-15B-140327	Solid	03/27/14 12:10	03/28/14 15:34
500-74118-10	TRIP BLANK	Water	03/27/14 00:00	03/28/14 15:34

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12A-140327

Lab Sample ID: 500-74118-1

Date Collected: 03/27/14 08:40

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.020		0.0048	0.0021	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Benzene	<0.0048		0.0048	0.00065	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Bromodichloromethane	<0.0048		0.0048	0.00082	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Bromoform	<0.0048		0.0048	0.0011	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Bromomethane	<0.0048 *		0.0048	0.0014	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Carbon disulfide	<0.0048		0.0048	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Carbon tetrachloride	<0.0048		0.0048	0.00087	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Chlorobenzene	<0.0048		0.0048	0.00048	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Chloroethane	<0.0048 *		0.0048	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Chloroform	<0.0048		0.0048	0.00055	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Chloromethane	<0.0048		0.0048	0.0010	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00067	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Dibromochloromethane	<0.0048		0.0048	0.00083	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,1-Dichloroethane	<0.0048		0.0048	0.00075	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,1-Dichloroethene	<0.0048		0.0048	0.00077	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,2-Dichloropropane	<0.0048		0.0048	0.00072	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Ethylbenzene	<0.0048		0.0048	0.00096	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
2-Hexanone	<0.0048		0.0048	0.0014	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Methylene Chloride	<0.0048		0.0048	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0017	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
methyl isobutyl ketone	<0.0048		0.0048	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Methyl tert-butyl ether	<0.0048		0.0048	0.00079	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Styrene	<0.0048		0.0048	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00096	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Tetrachloroethene	<0.0048		0.0048	0.00073	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Toluene	<0.0048		0.0048	0.00067	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.00066	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.00085	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00065	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Trichloroethene	<0.0048		0.0048	0.00079	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Vinyl chloride	<0.0048		0.0048	0.0010	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1
Xylenes, Total	<0.0095		0.0095	0.00043	mg/Kg	☼	03/29/14 07:20	03/31/14 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 122	03/29/14 07:20	03/31/14 12:59	1
Dibromofluoromethane	105		75 - 120	03/29/14 07:20	03/31/14 12:59	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/29/14 07:20	03/31/14 12:59	1
Toluene-d8 (Surr)	103		75 - 122	03/29/14 07:20	03/31/14 12:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12A-140327

Lab Sample ID: 500-74118-1

Date Collected: 03/27/14 08:40

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Bis(2-ethylhexyl) phthalate	<0.20	*	0.20	0.072	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Butyl benzyl phthalate	<0.20	*	0.20	0.075	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4,6-Dinitro-2-methylphenol	<0.39		0.39	0.32	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	03/31/14 07:21	04/01/14 17:12	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12A-140327

Lab Sample ID: 500-74118-1

Date Collected: 03/27/14 08:40

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	58		25 - 119	03/31/14 07:21	04/01/14 17:12	1
2-Fluorophenol	64		25 - 110	03/31/14 07:21	04/01/14 17:12	1
Nitrobenzene-d5	51		25 - 115	03/31/14 07:21	04/01/14 17:12	1
Phenol-d5	63		31 - 110	03/31/14 07:21	04/01/14 17:12	1
Terphenyl-d14	78		36 - 134	03/31/14 07:21	04/01/14 17:12	1
2,4,6-Tribromophenol	49		35 - 137	03/31/14 07:21	04/01/14 17:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		0.58	0.17	mg/Kg	☼	03/31/14 16:30	04/01/14 20:21	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12B-140327

Lab Sample ID: 500-74118-2

Date Collected: 03/27/14 08:55

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.1		1.1	0.29	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Benzene	<0.055		0.055	0.016	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Bromodichloromethane	<0.44		0.44	0.074	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Bromoform	<0.44		0.44	0.097	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Bromomethane	<0.44		0.44	0.15	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Carbon disulfide	<1.1		1.1	0.094	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Carbon tetrachloride	<0.22		0.22	0.057	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Chlorobenzene	<0.22		0.22	0.031	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Chloroethane	<0.44		0.44	0.096	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Chloroform	<0.22		0.22	0.045	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Chloromethane	<0.44		0.44	0.10	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
cis-1,2-Dichloroethene	<0.22		0.22	0.027	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
cis-1,3-Dichloropropene	<0.22		0.22	0.039	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Dibromochloromethane	<0.44		0.44	0.076	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,1-Dichloroethane	<0.22		0.22	0.041	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,2-Dichloroethane	<0.22		0.22	0.063	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,1,1-Dichloroethene	<0.22		0.22	0.068	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,2-Dichloropropane	<0.22		0.22	0.043	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,3-Dichloropropene, Total	<0.22		0.22	0.039	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Ethylbenzene	<0.055		0.055	0.028	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
2-Hexanone	<1.1		1.1	0.12	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Methylene Chloride	<1.1		1.1	0.15	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Methyl Ethyl Ketone	<1.1		1.1	0.32	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
methyl isobutyl ketone	<1.1		1.1	0.073	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Methyl tert-butyl ether	<0.44		0.44	0.095	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Styrene	<0.22		0.22	0.022	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,1,2,2-Tetrachloroethane	<0.22		0.22	0.051	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Tetrachloroethene	<0.22		0.22	0.037	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Toluene	<0.055		0.055	0.025	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
trans-1,2-Dichloroethene	<0.22		0.22	0.055	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
trans-1,3-Dichloropropene	<0.22		0.22	0.046	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,1,1-Trichloroethane	<0.22		0.22	0.044	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
1,1,2-Trichloroethane	<0.22		0.22	0.061	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Trichloroethene	<0.11		0.11	0.041	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Vinyl chloride	<0.055		0.055	0.023	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200
Xylenes, Total	<0.11		0.11	0.015	mg/Kg	☆	03/27/14 08:55	04/04/14 19:26	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 120	03/27/14 08:55	04/04/14 19:26	200
Dibromofluoromethane	91		75 - 120	03/27/14 08:55	04/04/14 19:26	200
1,2-Dichloroethane-d4 (Surr)	112		75 - 125	03/27/14 08:55	04/04/14 19:26	200
Toluene-d8 (Surr)	93		75 - 120	03/27/14 08:55	04/04/14 19:26	200

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	03/31/14 07:21	04/01/14 17:34	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	03/31/14 07:21	04/01/14 17:34	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	03/31/14 07:21	04/01/14 17:34	1
Benzo[a]anthracene	0.020	J	0.039	0.0053	mg/Kg	☆	03/31/14 07:21	04/01/14 17:34	1
Benzo[a]pyrene	0.018	J	0.039	0.0076	mg/Kg	☆	03/31/14 07:21	04/01/14 17:34	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12B-140327

Lab Sample ID: 500-74118-2

Date Collected: 03/27/14 08:55

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.013	J	0.039	0.0085	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Benzo[g,h,i]perylene	0.024	J	0.039	0.013	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Bis(2-ethylhexyl) phthalate	<0.20	*	0.20	0.072	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Butyl benzyl phthalate	<0.20	*	0.20	0.075	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Chrysene	0.014	J	0.039	0.011	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4,6-Dinitro-2-methylphenol	<0.39		0.39	0.32	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Fluoranthene	0.038	J	0.039	0.0073	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12B-140327

Lab Sample ID: 500-74118-2

Date Collected: 03/27/14 08:55

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
Pyrene	0.075		0.039	0.0078	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	47		25 - 119	03/31/14 07:21	04/01/14 17:34	1
2-Fluorophenol	61		25 - 110	03/31/14 07:21	04/01/14 17:34	1
Nitrobenzene-d5	42		25 - 115	03/31/14 07:21	04/01/14 17:34	1
Phenol-d5	64		31 - 110	03/31/14 07:21	04/01/14 17:34	1
Terphenyl-d14	63		36 - 134	03/31/14 07:21	04/01/14 17:34	1
2,4,6-Tribromophenol	59		35 - 137	03/31/14 07:21	04/01/14 17:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.53	0.16	mg/Kg	☼	03/31/14 16:30	04/01/14 20:25	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328

Lab Sample ID: 500-74118-3

Date Collected: 03/28/14 11:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0045		0.0045	0.0019	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Benzene	<0.0045		0.0045	0.00061	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Bromodichloromethane	<0.0045		0.0045	0.00077	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Bromoform	<0.0045		0.0045	0.0010	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Bromomethane	<0.0045	*	0.0045	0.0013	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Carbon disulfide	<0.0045		0.0045	0.00067	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Carbon tetrachloride	<0.0045		0.0045	0.00081	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Chlorobenzene	<0.0045		0.0045	0.00045	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Chloroethane	<0.0045	*	0.0045	0.0012	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Chloroform	<0.0045		0.0045	0.00051	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Chloromethane	<0.0045		0.0045	0.00094	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00063	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.00059	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Dibromochloromethane	<0.0045		0.0045	0.00078	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,1-Dichloroethane	<0.0045		0.0045	0.00071	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,1-Dichloroethene	<0.0045		0.0045	0.00072	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,2-Dichloropropane	<0.0045		0.0045	0.00068	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,3-Dichloropropene, Total	<0.0045		0.0045	0.00059	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Ethylbenzene	<0.0045		0.0045	0.00090	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
2-Hexanone	<0.0045		0.0045	0.0013	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Methylene Chloride	<0.0045		0.0045	0.0012	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0016	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
methyl isobutyl ketone	<0.0045		0.0045	0.0012	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Methyl tert-butyl ether	<0.0045		0.0045	0.00074	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Styrene	<0.0045		0.0045	0.00059	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00090	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Tetrachloroethene	<0.0045		0.0045	0.00068	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Toluene	<0.0045		0.0045	0.00062	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.00061	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.00080	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00061	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Trichloroethene	<0.0045		0.0045	0.00074	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Vinyl chloride	<0.0045		0.0045	0.00094	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1
Xylenes, Total	<0.0089		0.0089	0.00040	mg/Kg	☆	03/29/14 07:20	03/31/14 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 122	03/29/14 07:20	03/31/14 13:22	1
Dibromofluoromethane	102		75 - 120	03/29/14 07:20	03/31/14 13:22	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/29/14 07:20	03/31/14 13:22	1
Toluene-d8 (Surr)	104		75 - 122	03/29/14 07:20	03/31/14 13:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328

Lab Sample ID: 500-74118-3

Date Collected: 03/28/14 11:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Bis(2-ethylhexyl) phthalate	<0.18	*	0.18	0.066	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Butyl benzyl phthalate	<0.18	*	0.18	0.069	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Carbazole	<0.18		0.18	0.093	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☆	03/31/14 07:21	04/01/14 17:57	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328

Lab Sample ID: 500-74118-3

Date Collected: 03/28/14 11:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	03/31/14 07:21	04/01/14 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		25 - 119	03/31/14 07:21	04/01/14 17:57	1
2-Fluorophenol	77		25 - 110	03/31/14 07:21	04/01/14 17:57	1
Nitrobenzene-d5	59		25 - 115	03/31/14 07:21	04/01/14 17:57	1
Phenol-d5	76		31 - 110	03/31/14 07:21	04/01/14 17:57	1
Terphenyl-d14	76		36 - 134	03/31/14 07:21	04/01/14 17:57	1
2,4,6-Tribromophenol	68		35 - 137	03/31/14 07:21	04/01/14 17:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.52	0.15	mg/Kg	☼	03/31/14 16:30	04/01/14 20:29	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13B-140328

Lab Sample ID: 500-74118-4

Date Collected: 03/28/14 11:20

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0053		0.0053	0.0023	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Benzene	<0.0053		0.0053	0.00072	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Bromodichloromethane	<0.0053		0.0053	0.00091	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Bromoform	<0.0053		0.0053	0.0012	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Bromomethane	<0.0053	*	0.0053	0.0016	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Carbon disulfide	<0.0053		0.0053	0.00079	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Carbon tetrachloride	<0.0053		0.0053	0.00096	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Chlorobenzene	<0.0053		0.0053	0.00053	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Chloroethane	<0.0053	*	0.0053	0.0014	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Chloroform	<0.0053		0.0053	0.00061	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Chloromethane	<0.0053		0.0053	0.0011	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.00074	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.00069	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Dibromochloromethane	<0.0053		0.0053	0.00092	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,1-Dichloroethane	<0.0053		0.0053	0.00083	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,2-Dichloroethane	<0.0053		0.0053	0.00078	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,1-Dichloroethene	<0.0053		0.0053	0.00085	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,2-Dichloropropane	<0.0053		0.0053	0.00080	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,3-Dichloropropene, Total	<0.0053		0.0053	0.00069	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Ethylbenzene	<0.0053		0.0053	0.0011	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
2-Hexanone	<0.0053		0.0053	0.0015	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Methylene Chloride	<0.0053		0.0053	0.0014	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Methyl Ethyl Ketone	<0.0053		0.0053	0.0019	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
methyl isobutyl ketone	<0.0053		0.0053	0.0014	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Methyl tert-butyl ether	<0.0053		0.0053	0.00087	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Styrene	<0.0053		0.0053	0.00069	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.0011	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Tetrachloroethene	<0.0053		0.0053	0.00080	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Toluene	<0.0053		0.0053	0.00074	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.00072	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.00094	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.00079	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.00072	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Trichloroethene	<0.0053		0.0053	0.00087	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Vinyl chloride	<0.0053		0.0053	0.0011	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1
Xylenes, Total	<0.011		0.011	0.00048	mg/Kg	☆	03/29/14 07:20	03/31/14 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 122	03/29/14 07:20	03/31/14 13:45	1
Dibromofluoromethane	106		75 - 120	03/29/14 07:20	03/31/14 13:45	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/29/14 07:20	03/31/14 13:45	1
Toluene-d8 (Surr)	102		75 - 122	03/29/14 07:20	03/31/14 13:45	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13B-140328

Lab Sample ID: 500-74118-4

Date Collected: 03/28/14 11:20

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Bis(2-ethylhexyl) phthalate	<0.19	*	0.19	0.068	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Butyl benzyl phthalate	<0.19	*	0.19	0.070	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4,6-Dinitro-2-methylphenol	<0.37		0.37	0.30	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Methylnaphthalene	<0.037		0.037	0.0068	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☆	03/31/14 07:21	04/01/14 18:19	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13B-140328

Lab Sample ID: 500-74118-4

Date Collected: 03/28/14 11:20

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
Pyrene	<0.037		0.037	0.0073	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		25 - 119	03/31/14 07:21	04/01/14 18:19	1
2-Fluorophenol	87		25 - 110	03/31/14 07:21	04/01/14 18:19	1
Nitrobenzene-d5	64		25 - 115	03/31/14 07:21	04/01/14 18:19	1
Phenol-d5	86		31 - 110	03/31/14 07:21	04/01/14 18:19	1
Terphenyl-d14	90		36 - 134	03/31/14 07:21	04/01/14 18:19	1
2,4,6-Tribromophenol	86		35 - 137	03/31/14 07:21	04/01/14 18:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		0.56	0.17	mg/Kg	☼	03/31/14 16:30	04/01/14 20:34	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328D

Lab Sample ID: 500-74118-5

Date Collected: 03/28/14 11:15

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0056		0.0055	0.0024	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Benzene	<0.0055		0.0055	0.00076	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Bromodichloromethane	<0.0055		0.0055	0.00095	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Bromoform	<0.0055		0.0055	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Bromomethane	<0.0055	*	0.0055	0.0017	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Carbon disulfide	<0.0055		0.0055	0.00082	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Carbon tetrachloride	<0.0055		0.0055	0.0010	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Chlorobenzene	<0.0055		0.0055	0.00056	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Chloroethane	<0.0055	*	0.0055	0.0015	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Chloroform	<0.0055		0.0055	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Chloromethane	<0.0055		0.0055	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
cis-1,2-Dichloroethene	<0.0055		0.0055	0.00078	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
cis-1,3-Dichloropropene	<0.0055		0.0055	0.00072	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Dibromochloromethane	<0.0055		0.0055	0.00096	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,1-Dichloroethane	<0.0055		0.0055	0.00087	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,2-Dichloroethane	<0.0055		0.0055	0.00082	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,1-Dichloroethene	<0.0055		0.0055	0.00089	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,2-Dichloropropane	<0.0055		0.0055	0.00084	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,3-Dichloropropene, Total	<0.0055		0.0055	0.00072	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Ethylbenzene	<0.0055		0.0055	0.0011	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
2-Hexanone	<0.0055		0.0055	0.0016	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Methylene Chloride	<0.0055		0.0055	0.0015	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Methyl Ethyl Ketone	<0.0055		0.0055	0.0020	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
methyl isobutyl ketone	<0.0055		0.0055	0.0014	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Methyl tert-butyl ether	<0.0055		0.0055	0.00091	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Styrene	<0.0055		0.0055	0.00072	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,1,2,2-Tetrachloroethane	<0.0055		0.0055	0.0011	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Tetrachloroethene	<0.0055		0.0055	0.00084	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Toluene	<0.0055		0.0055	0.00077	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
trans-1,2-Dichloroethene	<0.0055		0.0055	0.00076	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
trans-1,3-Dichloropropene	<0.0055		0.0055	0.00099	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,1,1-Trichloroethane	<0.0055		0.0055	0.00082	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
1,1,1,2-Trichloroethane	<0.0055		0.0055	0.00075	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Trichloroethene	<0.0055		0.0055	0.00091	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Vinyl chloride	<0.0055		0.0055	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1
Xylenes, Total	<0.011		0.011	0.00050	mg/Kg	☼	03/29/14 07:20	03/31/14 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 122	03/29/14 07:20	03/31/14 14:07	1
Dibromofluoromethane	109		75 - 120	03/29/14 07:20	03/31/14 14:07	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	03/29/14 07:20	03/31/14 14:07	1
Toluene-d8 (Surr)	101		75 - 122	03/29/14 07:20	03/31/14 14:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Benzo[a]anthracene	<0.035		0.035	0.0048	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Benzo[a]pyrene	<0.035		0.035	0.0069	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328D

Lab Sample ID: 500-74118-5

Date Collected: 03/28/14 11:15

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Bis(2-ethylhexyl) phthalate	0.11	J *	0.18	0.065	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Butyl benzyl phthalate	<0.18	*	0.18	0.067	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Chrysene	<0.035		0.035	0.0097	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4,6-Dinitro-2-methylphenol	<0.35		0.35	0.28	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Fluoranthene	<0.035		0.035	0.0066	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Hexachlorobenzene	<0.071		0.071	0.0082	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Hexachlorocyclopentadiene	<0.71		0.71	0.20	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Methylnaphthalene	<0.035		0.035	0.0065	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1
4-Nitrophenol	<0.71		0.71	0.34	mg/Kg	☆	03/31/14 07:21	04/01/14 18:42	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13A-140328D

Lab Sample ID: 500-74118-5

Date Collected: 03/28/14 11:15

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Pentachlorophenol	<0.71		0.71	0.57	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
Pyrene	<0.035		0.035	0.0070	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	03/31/14 07:21	04/01/14 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		25 - 119	03/31/14 07:21	04/01/14 18:42	1
2-Fluorophenol	83		25 - 110	03/31/14 07:21	04/01/14 18:42	1
Nitrobenzene-d5	63		25 - 115	03/31/14 07:21	04/01/14 18:42	1
Phenol-d5	82		31 - 110	03/31/14 07:21	04/01/14 18:42	1
Terphenyl-d14	97		36 - 134	03/31/14 07:21	04/01/14 18:42	1
2,4,6-Tribromophenol	76		35 - 137	03/31/14 07:21	04/01/14 18:42	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3		0.54	0.16	mg/Kg	☼	03/31/14 16:30	04/01/14 20:38	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14A-140327

Lab Sample ID: 500-74118-6

Date Collected: 03/27/14 15:30

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 92.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0047		0.0047	0.0020	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Benzene	<0.0047		0.0047	0.00064	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Bromoform	<0.0047		0.0047	0.0011	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Bromomethane	<0.0047 *		0.0047	0.0014	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Carbon disulfide	<0.0047		0.0047	0.00070	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Carbon tetrachloride	<0.0047		0.0047	0.00085	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Chlorobenzene	<0.0047		0.0047	0.00047	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Chloroethane	<0.0047 *		0.0047	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Chloroform	<0.0047		0.0047	0.00053	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Chloromethane	<0.0047		0.0047	0.00098	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00066	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.00061	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Dibromochloromethane	<0.0047		0.0047	0.00081	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,1-Dichloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,1-Dichloroethene	<0.0047		0.0047	0.00075	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,2-Dichloropropane	<0.0047		0.0047	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.00061	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Ethylbenzene	<0.0047		0.0047	0.00094	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
2-Hexanone	<0.0047		0.0047	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Methylene Chloride	<0.0047		0.0047	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0017	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
methyl isobutyl ketone	<0.0047		0.0047	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Methyl tert-butyl ether	<0.0047		0.0047	0.00077	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Styrene	<0.0047		0.0047	0.00061	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00094	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Tetrachloroethene	<0.0047		0.0047	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Toluene	<0.0047		0.0047	0.00065	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.00064	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.00083	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Trichloroethene	<0.0047		0.0047	0.00077	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Vinyl chloride	<0.0047		0.0047	0.00098	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1
Xylenes, Total	<0.0093		0.0093	0.00042	mg/Kg	☼	03/29/14 07:20	03/31/14 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 122	03/29/14 07:20	03/31/14 15:16	1
Dibromofluoromethane	107		75 - 120	03/29/14 07:20	03/31/14 15:16	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/29/14 07:20	03/31/14 15:16	1
Toluene-d8 (Surr)	97		75 - 122	03/29/14 07:20	03/31/14 15:16	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Benzo[a]pyrene	<0.034		0.034	0.0067	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14A-140327

Lab Sample ID: 500-74118-6

Date Collected: 03/27/14 15:30

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.034		0.034	0.0075	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.052	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Bis(2-ethylhexyl) phthalate	<0.17	*	0.17	0.063	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Butyl benzyl phthalate	<0.17	*	0.17	0.066	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Carbazole	<0.17		0.17	0.089	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Chlorophenol	<0.17		0.17	0.059	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Chrysene	<0.034		0.034	0.0094	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4-Dichlorophenol	<0.34		0.34	0.082	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Diethyl phthalate	<0.17		0.17	0.059	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Di-n-butyl phthalate	<0.17		0.17	0.053	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4,6-Dinitro-2-methylphenol	<0.34		0.34	0.28	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4-Dinitrophenol	<0.70		0.70	0.61	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4-Dinitrotoluene	<0.17		0.17	0.055	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,6-Dinitrotoluene	<0.17		0.17	0.068	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Hexachlorobenzene	<0.070		0.070	0.0080	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Hexachloroethane	<0.17		0.17	0.053	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0090	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Isophorone	<0.17		0.17	0.039	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Methylnaphthalene	<0.034		0.034	0.0064	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
3 & 4 Methylphenol	<0.17		0.17	0.058	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Nitrobenzene	<0.034		0.034	0.0086	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2-Nitrophenol	<0.34		0.34	0.082	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
4-Nitrophenol	<0.70		0.70	0.33	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14A-140327

Lab Sample ID: 500-74118-6

Date Collected: 03/27/14 15:30

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
N-Nitrosodiphenylamine	<0.17		0.17	0.041	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Pentachlorophenol	<0.70		0.70	0.55	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Phenol	<0.17		0.17	0.077	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
Pyrene	<0.034		0.034	0.0069	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4,5-Trichlorophenol	<0.34		0.34	0.079	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	03/31/14 07:21	04/01/14 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119	03/31/14 07:21	04/01/14 19:05	1
2-Fluorophenol	90		25 - 110	03/31/14 07:21	04/01/14 19:05	1
Nitrobenzene-d5	84		25 - 115	03/31/14 07:21	04/01/14 19:05	1
Phenol-d5	97		31 - 110	03/31/14 07:21	04/01/14 19:05	1
Terphenyl-d14	81		36 - 134	03/31/14 07:21	04/01/14 19:05	1
2,4,6-Tribromophenol	72		35 - 137	03/31/14 07:21	04/01/14 19:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.52	0.15	mg/Kg	☼	03/31/14 16:30	04/01/14 20:43	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14B-140327

Lab Sample ID: 500-74118-7

Date Collected: 03/27/14 16:00

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.58		0.58	0.15	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Benzene	<0.029		0.029	0.0086	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Bromodichloromethane	<0.23		0.23	0.039	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Bromoform	<0.23		0.23	0.051	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Bromomethane	<0.23		0.23	0.079	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Carbon disulfide	<0.58		0.58	0.050	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Carbon tetrachloride	<0.12		0.12	0.030	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Chlorobenzene	<0.12		0.12	0.017	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Chloroethane	<0.23		0.23	0.051	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Chloroform	<0.12		0.12	0.024	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Chloromethane	<0.23		0.23	0.054	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
cis-1,2-Dichloroethene	<0.12		0.12	0.014	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
cis-1,3-Dichloropropene	<0.12		0.12	0.021	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Dibromochloromethane	<0.23		0.23	0.040	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,1-Dichloroethane	<0.12		0.12	0.022	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,2-Dichloroethane	<0.12		0.12	0.033	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,1,1-Dichloroethene	<0.12		0.12	0.036	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,2-Dichloropropane	<0.12		0.12	0.023	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,3-Dichloropropene, Total	<0.12		0.12	0.021	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Ethylbenzene	0.53		0.029	0.015	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
2-Hexanone	<0.58		0.58	0.065	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Methylene Chloride	<0.58		0.58	0.079	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Methyl Ethyl Ketone	<0.58		0.58	0.17	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
methyl isobutyl ketone	<0.58		0.58	0.039	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Methyl tert-butyl ether	<0.23		0.23	0.050	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Styrene	<0.12		0.12	0.011	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,1,2,2-Tetrachloroethane	<0.12		0.12	0.027	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Tetrachloroethene	<0.12		0.12	0.019	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Toluene	0.069		0.029	0.013	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
trans-1,2-Dichloroethene	<0.12		0.12	0.029	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
trans-1,3-Dichloropropene	<0.12		0.12	0.024	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,1,1-Trichloroethane	<0.12		0.12	0.023	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
1,1,2-Trichloroethane	<0.12		0.12	0.032	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Trichloroethene	<0.058		0.058	0.022	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Vinyl chloride	<0.029		0.029	0.012	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100
Xylenes, Total	2.1		0.058	0.0080	mg/Kg	☼	03/27/14 16:00	04/04/14 19:51	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 120	03/27/14 16:00	04/04/14 19:51	100
Dibromofluoromethane	90		75 - 120	03/27/14 16:00	04/04/14 19:51	100
1,2-Dichloroethane-d4 (Surr)	112		75 - 125	03/27/14 16:00	04/04/14 19:51	100
Toluene-d8 (Surr)	95		75 - 120	03/27/14 16:00	04/04/14 19:51	100

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14B-140327

Lab Sample ID: 500-74118-7

Date Collected: 03/27/14 16:00

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Bis(2-ethylhexyl) phthalate	0.34	*	0.19	0.069	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Butyl benzyl phthalate	<0.19	*	0.19	0.071	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4,6-Dinitro-2-methylphenol	<0.37		0.37	0.30	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Methylnaphthalene	0.090		0.037	0.0069	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Naphthalene	0.026	J	0.037	0.0058	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☆	03/31/14 07:21	04/01/14 19:27	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-14B-140327

Lab Sample ID: 500-74118-7

Date Collected: 03/27/14 16:00

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	60		25 - 119	03/31/14 07:21	04/01/14 19:27	1
2-Fluorophenol	84		25 - 110	03/31/14 07:21	04/01/14 19:27	1
Nitrobenzene-d5	57		25 - 115	03/31/14 07:21	04/01/14 19:27	1
Phenol-d5	72		31 - 110	03/31/14 07:21	04/01/14 19:27	1
Terphenyl-d14	77		36 - 134	03/31/14 07:21	04/01/14 19:27	1
2,4,6-Tribromophenol	77		35 - 137	03/31/14 07:21	04/01/14 19:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.51	0.15	mg/Kg	☼	03/31/14 16:30	04/01/14 20:48	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15A-140327

Lab Sample ID: 500-74118-8

Date Collected: 03/27/14 11:50

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.031		0.0044	0.0019	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Benzene	<0.0044		0.0044	0.00061	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Bromodichloromethane	<0.0044		0.0044	0.00076	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Bromoform	<0.0044		0.0044	0.0010	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Bromomethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Carbon disulfide	<0.0044		0.0044	0.00066	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Carbon tetrachloride	<0.0044		0.0044	0.00080	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Chlorobenzene	<0.0044		0.0044	0.00045	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Chloroethane	<0.0044 *		0.0044	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Chloroform	<0.0044		0.0044	0.00051	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Chloromethane	<0.0044		0.0044	0.00093	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00063	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.00058	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Dibromochloromethane	<0.0044		0.0044	0.00077	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,1-Dichloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,2-Dichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,1-Dichloroethene	<0.0044		0.0044	0.00071	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,2-Dichloropropane	<0.0044		0.0044	0.00067	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,3-Dichloropropene, Total	<0.0044		0.0044	0.00058	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Ethylbenzene	<0.0044		0.0044	0.00089	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
2-Hexanone	<0.0044		0.0044	0.0013	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Methylene Chloride	<0.0044		0.0044	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0016	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
methyl isobutyl ketone	<0.0044		0.0044	0.0012	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Methyl tert-butyl ether	<0.0044		0.0044	0.00073	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Styrene	<0.0044		0.0044	0.00058	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00089	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Tetrachloroethene	<0.0044		0.0044	0.00068	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Toluene	<0.0044		0.0044	0.00062	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.00061	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.00079	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00060	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Trichloroethene	<0.0044		0.0044	0.00073	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Vinyl chloride	<0.0044		0.0044	0.00093	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1
Xylenes, Total	<0.0088		0.0088	0.00040	mg/Kg	☼	03/29/14 07:20	03/31/14 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 122	03/29/14 07:20	03/31/14 16:34	1
Dibromofluoromethane	114		75 - 120	03/29/14 07:20	03/31/14 16:34	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	03/29/14 07:20	03/31/14 16:34	1
Toluene-d8 (Surr)	101		75 - 122	03/29/14 07:20	03/31/14 16:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15A-140327

Lab Sample ID: 500-74118-8

Date Collected: 03/27/14 11:50

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Bis(2-ethylhexyl) phthalate	0.32	*	0.18	0.067	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Butyl benzyl phthalate	<0.18	*	0.18	0.070	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Carbazole	<0.18		0.18	0.095	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.30	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Methylnaphthalene	<0.036		0.036	0.0068	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☆	03/31/14 07:21	04/01/14 19:49	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15A-140327

Lab Sample ID: 500-74118-8

Date Collected: 03/27/14 11:50

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	03/31/14 07:21	04/01/14 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	47		25 - 119	03/31/14 07:21	04/01/14 19:49	1
2-Fluorophenol	46		25 - 110	03/31/14 07:21	04/01/14 19:49	1
Nitrobenzene-d5	39		25 - 115	03/31/14 07:21	04/01/14 19:49	1
Phenol-d5	49		31 - 110	03/31/14 07:21	04/01/14 19:49	1
Terphenyl-d14	67		36 - 134	03/31/14 07:21	04/01/14 19:49	1
2,4,6-Tribromophenol	66		35 - 137	03/31/14 07:21	04/01/14 19:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	0.15	mg/Kg	☼	03/31/14 16:30	04/01/14 20:53	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15B-140327

Lab Sample ID: 500-74118-9

Date Collected: 03/27/14 12:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.1		1.1	0.28	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Benzene	<0.054		0.054	0.016	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Bromodichloromethane	<0.44		0.44	0.074	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Bromoform	<0.44		0.44	0.096	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Bromomethane	<0.44		0.44	0.15	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Carbon disulfide	<1.1		1.1	0.093	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Carbon tetrachloride	<0.22		0.22	0.056	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Chlorobenzene	<0.22		0.22	0.031	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Chloroethane	<0.44		0.44	0.095	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Chloroform	<0.22		0.22	0.045	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Chloromethane	<0.44		0.44	0.10	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
cis-1,2-Dichloroethene	<0.22		0.22	0.027	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
cis-1,3-Dichloropropene	<0.22		0.22	0.039	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Dibromochloromethane	<0.44		0.44	0.075	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,1-Dichloroethane	<0.22		0.22	0.040	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,2-Dichloroethane	<0.22		0.22	0.062	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,1,1-Dichloroethene	<0.22		0.22	0.067	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,2-Dichloropropane	<0.22		0.22	0.043	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,3-Dichloropropene, Total	<0.22		0.22	0.039	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Ethylbenzene	11		0.054	0.027	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
2-Hexanone	<1.1		1.1	0.12	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Methylene Chloride	<1.1		1.1	0.15	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Methyl Ethyl Ketone	<1.1		1.1	0.32	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
methyl isobutyl ketone	<1.1		1.1	0.072	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Methyl tert-butyl ether	<0.44		0.44	0.094	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Styrene	<0.22		0.22	0.022	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,1,2,2-Tetrachloroethane	<0.22		0.22	0.051	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Tetrachloroethene	<0.22		0.22	0.036	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Toluene	0.092		0.054	0.025	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
trans-1,2-Dichloroethene	<0.22		0.22	0.054	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
trans-1,3-Dichloropropene	<0.22		0.22	0.045	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,1,1-Trichloroethane	<0.22		0.22	0.044	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
1,1,2-Trichloroethane	<0.22		0.22	0.061	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Trichloroethene	<0.11		0.11	0.040	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Vinyl chloride	<0.054		0.054	0.023	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200
Xylenes, Total	24		0.11	0.015	mg/Kg	☆	03/27/14 12:10	04/04/14 20:16	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 120	03/27/14 12:10	04/04/14 20:16	200
Dibromofluoromethane	92		75 - 120	03/27/14 12:10	04/04/14 20:16	200
1,2-Dichloroethane-d4 (Surr)	112		75 - 125	03/27/14 12:10	04/04/14 20:16	200
Toluene-d8 (Surr)	96		75 - 120	03/27/14 12:10	04/04/14 20:16	200

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15B-140327

Lab Sample ID: 500-74118-9

Date Collected: 03/27/14 12:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Bis(2-ethylhexyl) phthalate	<0.18	*	0.18	0.066	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Butyl benzyl phthalate	<0.18	*	0.18	0.069	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Carbazole	<0.18		0.18	0.094	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4,6-Dinitro-2-methylphenol	<0.36		0.36	0.29	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Fluorene	0.012	J	0.036	0.0051	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Methylnaphthalene	0.15		0.036	0.0067	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Naphthalene	0.049		0.036	0.0056	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☆	03/31/14 07:21	04/02/14 19:11	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15B-140327

Lab Sample ID: 500-74118-9

Date Collected: 03/27/14 12:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
Phenanthrene	0.021	J	0.036	0.0050	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
Pyrene	0.011	J	0.036	0.0072	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	03/31/14 07:21	04/02/14 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	58		25 - 119				03/31/14 07:21	04/02/14 19:11	1
2-Fluorophenol	52		25 - 110				03/31/14 07:21	04/02/14 19:11	1
Nitrobenzene-d5	52		25 - 115				03/31/14 07:21	04/02/14 19:11	1
Phenol-d5	55		31 - 110				03/31/14 07:21	04/02/14 19:11	1
Terphenyl-d14	74		36 - 134				03/31/14 07:21	04/02/14 19:11	1
2,4,6-Tribromophenol	68		35 - 137				03/31/14 07:21	04/02/14 19:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.2		0.47	0.14	mg/Kg	☼	03/31/14 16:30	04/01/14 21:22	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-74118-10

Date Collected: 03/27/14 00:00

Matrix: Water

Date Received: 03/28/14 15:34

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/04/14 17:21	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/04/14 17:21	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/04/14 17:21	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/04/14 17:21	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/04/14 17:21	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/04/14 17:21	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/04/14 17:21	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/04/14 17:21	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/04/14 17:21	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/04/14 17:21	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/04/14 17:21	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/04/14 17:21	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/04/14 17:21	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/04/14 17:21	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/04/14 17:21	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/04/14 17:21	1
1,1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/04/14 17:21	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/04/14 17:21	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/04/14 17:21	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/04/14 17:21	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/04/14 17:21	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/04/14 17:21	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/04/14 17:21	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/04/14 17:21	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/04/14 17:21	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/04/14 17:21	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/04/14 17:21	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/04/14 17:21	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/04/14 17:21	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/04/14 17:21	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/04/14 17:21	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/04/14 17:21	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/04/14 17:21	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/04/14 17:21	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/04/14 17:21	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/04/14 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 120		04/04/14 17:21	1
Dibromofluoromethane	90		75 - 120		04/04/14 17:21	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 125		04/04/14 17:21	1
Toluene-d8 (Surr)	90		75 - 120		04/04/14 17:21	1

TestAmerica Chicago

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

GC/MS VOA

Prep Batch: 229289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-2	GP-12B-140327	Total/NA	Solid	5035	
500-74118-7	GP-14B-140327	Total/NA	Solid	5035	
500-74118-9	GP-15B-140327	Total/NA	Solid	5035	

Analysis Batch: 229355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	8260B	229427
500-74118-3	GP-13A-140328	Total/NA	Solid	8260B	229427
500-74118-4	GP-13B-140328	Total/NA	Solid	8260B	229427
500-74118-5	GP-13A-140328D	Total/NA	Solid	8260B	229427
500-74118-6	GP-14A-140327	Total/NA	Solid	8260B	229427
500-74118-8	GP-15A-140327	Total/NA	Solid	8260B	229427
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	8260B	229427
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	8260B	229427
LCS 500-229355/6	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-229355/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 500-229355/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 229427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	5035	
500-74118-3	GP-13A-140328	Total/NA	Solid	5035	
500-74118-4	GP-13B-140328	Total/NA	Solid	5035	
500-74118-5	GP-13A-140328D	Total/NA	Solid	5035	
500-74118-6	GP-14A-140327	Total/NA	Solid	5035	
500-74118-8	GP-15A-140327	Total/NA	Solid	5035	
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	5035	
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	5035	

Analysis Batch: 230079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-10	TRIP BLANK	Total/NA	Water	8260B	
LCS 500-230079/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-230079/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 230080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-2	GP-12B-140327	Total/NA	Solid	8260B	229289
500-74118-7	GP-14B-140327	Total/NA	Solid	8260B	229289
500-74118-9	GP-15B-140327	Total/NA	Solid	8260B	229289
LCS 500-230080/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-230080/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 229335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	3541	
500-74118-2	GP-12B-140327	Total/NA	Solid	3541	
500-74118-3	GP-13A-140328	Total/NA	Solid	3541	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

GC/MS Semi VOA (Continued)

Prep Batch: 229335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-4	GP-13B-140328	Total/NA	Solid	3541	
500-74118-5	GP-13A-140328D	Total/NA	Solid	3541	
500-74118-6	GP-14A-140327	Total/NA	Solid	3541	
500-74118-7	GP-14B-140327	Total/NA	Solid	3541	
500-74118-8	GP-15A-140327	Total/NA	Solid	3541	
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	3541	
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	3541	
500-74118-9	GP-15B-140327	Total/NA	Solid	3541	
LCS 500-229335/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-229335/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 229527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	8270D	229335
500-74118-2	GP-12B-140327	Total/NA	Solid	8270D	229335
500-74118-3	GP-13A-140328	Total/NA	Solid	8270D	229335
500-74118-4	GP-13B-140328	Total/NA	Solid	8270D	229335
500-74118-5	GP-13A-140328D	Total/NA	Solid	8270D	229335
500-74118-6	GP-14A-140327	Total/NA	Solid	8270D	229335
500-74118-7	GP-14B-140327	Total/NA	Solid	8270D	229335
500-74118-8	GP-15A-140327	Total/NA	Solid	8270D	229335
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	8270D	229335
LCS 500-229335/2-A	Lab Control Sample	Total/NA	Solid	8270D	229335
MB 500-229335/1-A	Method Blank	Total/NA	Solid	8270D	229335

Analysis Batch: 229708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	8270D	229335
500-74118-9	GP-15B-140327	Total/NA	Solid	8270D	229335

Metals

Prep Batch: 229495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	3050B	
500-74118-2	GP-12B-140327	Total/NA	Solid	3050B	
500-74118-3	GP-13A-140328	Total/NA	Solid	3050B	
500-74118-4	GP-13B-140328	Total/NA	Solid	3050B	
500-74118-5	GP-13A-140328D	Total/NA	Solid	3050B	
500-74118-6	GP-14A-140327	Total/NA	Solid	3050B	
500-74118-7	GP-14B-140327	Total/NA	Solid	3050B	
500-74118-8	GP-15A-140327	Total/NA	Solid	3050B	
500-74118-8 DU	GP-15A-140327	Total/NA	Solid	3050B	
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	3050B	
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	3050B	
500-74118-9	GP-15B-140327	Total/NA	Solid	3050B	
LCS 500-229495/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-229495/1-A	Method Blank	Total/NA	Solid	3050B	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Metals (Continued)

Analysis Batch: 229692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	6010B	229495
500-74118-2	GP-12B-140327	Total/NA	Solid	6010B	229495
500-74118-3	GP-13A-140328	Total/NA	Solid	6010B	229495
500-74118-4	GP-13B-140328	Total/NA	Solid	6010B	229495
500-74118-5	GP-13A-140328D	Total/NA	Solid	6010B	229495
500-74118-6	GP-14A-140327	Total/NA	Solid	6010B	229495
500-74118-7	GP-14B-140327	Total/NA	Solid	6010B	229495
500-74118-8	GP-15A-140327	Total/NA	Solid	6010B	229495
500-74118-8 DU	GP-15A-140327	Total/NA	Solid	6010B	229495
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	6010B	229495
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	6010B	229495
500-74118-9	GP-15B-140327	Total/NA	Solid	6010B	229495
LCS 500-229495/2-A	Lab Control Sample	Total/NA	Solid	6010B	229495
MB 500-229495/1-A	Method Blank	Total/NA	Solid	6010B	229495

General Chemistry

Analysis Batch: 229379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74118-1	GP-12A-140327	Total/NA	Solid	Moisture	
500-74118-2	GP-12B-140327	Total/NA	Solid	Moisture	
500-74118-3	GP-13A-140328	Total/NA	Solid	Moisture	
500-74118-4	GP-13B-140328	Total/NA	Solid	Moisture	
500-74118-5	GP-13A-140328D	Total/NA	Solid	Moisture	
500-74118-6	GP-14A-140327	Total/NA	Solid	Moisture	
500-74118-7	GP-14B-140327	Total/NA	Solid	Moisture	
500-74118-8	GP-15A-140327	Total/NA	Solid	Moisture	
500-74118-8 DU	GP-15A-140327	Total/NA	Solid	Moisture	
500-74118-8 MS	GP-15A-140327	Total/NA	Solid	Moisture	
500-74118-8 MSD	GP-15A-140327	Total/NA	Solid	Moisture	
500-74118-9	GP-15B-140327	Total/NA	Solid	Moisture	

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-122)	DBFM (75-120)	12DCE (70-134)	TOL (75-122)
500-74118-1	GP-12A-140327	115	105	100	103
500-74118-3	GP-13A-140328	112	102	101	104
500-74118-4	GP-13B-140328	118	106	98	102
500-74118-5	GP-13A-140328D	115	109	105	101
500-74118-6	GP-14A-140327	109	107	99	97
500-74118-8	GP-15A-140327	119	114	107	101
500-74118-8 MS	GP-15A-140327	120	106	97	108
500-74118-8 MSD	GP-15A-140327	113	102	94	108
LCS 500-229355/6	Lab Control Sample	118	105	97	111
LCSD 500-229355/7	Lab Control Sample Dup	120	105	99	107
MB 500-229355/5	Method Blank	117	113	105	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-74118-2	GP-12B-140327	104	91	112	93
500-74118-7	GP-14B-140327	108	90	112	95
500-74118-9	GP-15B-140327	112	92	112	96
LCS 500-230080/4	Lab Control Sample	106	93	112	93
MB 500-230080/6	Method Blank	110	88	114	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-74118-10	TRIP BLANK	108	90	111	90
LCS 500-230079/4	Lab Control Sample	106	93	112	93
MB 500-230079/6	Method Blank	110	88	114	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)

TestAmerica Chicago

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (25-119)	2FP (25-110)	NBZ (25-115)	PHL (31-110)	TPH (36-134)	TBP (35-137)
500-74118-1	GP-12A-140327	58	64	51	63	78	49
500-74118-2	GP-12B-140327	47	61	42	64	63	59
500-74118-3	GP-13A-140328	68	77	59	76	76	68
500-74118-4	GP-13B-140328	71	87	64	86	90	86
500-74118-5	GP-13A-140328D	95	83	63	82	97	76
500-74118-6	GP-14A-140327	74	90	84	97	81	72
500-74118-7	GP-14B-140327	60	84	57	72	77	77
500-74118-8	GP-15A-140327	47	46	39	49	67	66
500-74118-8 MS	GP-15A-140327	62	71	42	75	80	74
500-74118-8 MSD	GP-15A-140327	51	45	45	49	57	60
500-74118-9	GP-15B-140327	58	52	52	55	74	68
LCS 500-229335/2-A	Lab Control Sample	83	89	71	98	113	88
MB 500-229335/1-A	Method Blank	81	94	71	93	95	87

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-229355/5

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0022	mg/Kg			03/31/14 10:54	1
Benzene	<0.0050		0.0050	0.00069	mg/Kg			03/31/14 10:54	1
Bromodichloromethane	<0.0050		0.0050	0.00086	mg/Kg			03/31/14 10:54	1
Bromoform	<0.0050		0.0050	0.0012	mg/Kg			03/31/14 10:54	1
Bromomethane	<0.0050		0.0050	0.0015	mg/Kg			03/31/14 10:54	1
Carbon disulfide	<0.0050		0.0050	0.00075	mg/Kg			03/31/14 10:54	1
Carbon tetrachloride	<0.0050		0.0050	0.00091	mg/Kg			03/31/14 10:54	1
Chlorobenzene	<0.0050		0.0050	0.00051	mg/Kg			03/31/14 10:54	1
Chloroethane	<0.0050		0.0050	0.0014	mg/Kg			03/31/14 10:54	1
Chloroform	<0.0050		0.0050	0.00058	mg/Kg			03/31/14 10:54	1
Chloromethane	<0.0050		0.0050	0.0011	mg/Kg			03/31/14 10:54	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.00071	mg/Kg			03/31/14 10:54	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.00066	mg/Kg			03/31/14 10:54	1
Dibromochloromethane	<0.0050		0.0050	0.00087	mg/Kg			03/31/14 10:54	1
1,1-Dichloroethane	<0.0050		0.0050	0.00079	mg/Kg			03/31/14 10:54	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg			03/31/14 10:54	1
1,1-Dichloroethene	<0.0050		0.0050	0.00081	mg/Kg			03/31/14 10:54	1
1,2-Dichloropropane	<0.0050		0.0050	0.00076	mg/Kg			03/31/14 10:54	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.00066	mg/Kg			03/31/14 10:54	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg			03/31/14 10:54	1
2-Hexanone	<0.0050		0.0050	0.0014	mg/Kg			03/31/14 10:54	1
Methylene Chloride	<0.0050		0.0050	0.0014	mg/Kg			03/31/14 10:54	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0018	mg/Kg			03/31/14 10:54	1
methyl isobutyl ketone	<0.0050		0.0050	0.0013	mg/Kg			03/31/14 10:54	1
Methyl tert-butyl ether	<0.0050		0.0050	0.00083	mg/Kg			03/31/14 10:54	1
Styrene	<0.0050		0.0050	0.00066	mg/Kg			03/31/14 10:54	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010	mg/Kg			03/31/14 10:54	1
Tetrachloroethene	<0.0050		0.0050	0.00076	mg/Kg			03/31/14 10:54	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg			03/31/14 10:54	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.00069	mg/Kg			03/31/14 10:54	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.00090	mg/Kg			03/31/14 10:54	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.00075	mg/Kg			03/31/14 10:54	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00068	mg/Kg			03/31/14 10:54	1
Trichloroethene	<0.0050		0.0050	0.00083	mg/Kg			03/31/14 10:54	1
Vinyl chloride	<0.0050		0.0050	0.0011	mg/Kg			03/31/14 10:54	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg			03/31/14 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 122		03/31/14 10:54	1
Dibromofluoromethane	113		75 - 120		03/31/14 10:54	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134		03/31/14 10:54	1
Toluene-d8 (Surr)	98		75 - 122		03/31/14 10:54	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-229355/6

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0425		mg/Kg		85	53 - 132
Benzene	0.0500	0.0429		mg/Kg		86	75 - 120
Bromodichloromethane	0.0500	0.0494		mg/Kg		99	75 - 123
Bromoform	0.0500	0.0488		mg/Kg		98	71 - 120
Bromomethane	0.0500	0.0827	*	mg/Kg		165	52 - 150
Carbon disulfide	0.0500	0.0414		mg/Kg		83	56 - 120
Carbon tetrachloride	0.0500	0.0578		mg/Kg		116	64 - 126
Chlorobenzene	0.0500	0.0461		mg/Kg		92	75 - 120
Chloroethane	0.0500	0.0712	*	mg/Kg		142	60 - 133
Chloroform	0.0500	0.0490		mg/Kg		98	75 - 120
Chloromethane	0.0500	0.0467		mg/Kg		93	61 - 129
cis-1,2-Dichloroethene	0.0500	0.0511		mg/Kg		102	75 - 120
cis-1,3-Dichloropropene	0.0500	0.0468		mg/Kg		94	74 - 120
Dibromochloromethane	0.0500	0.0519		mg/Kg		104	76 - 121
1,1-Dichloroethane	0.0500	0.0496		mg/Kg		99	75 - 120
1,2-Dichloroethane	0.0500	0.0534		mg/Kg		107	73 - 129
1,1-Dichloroethene	0.0500	0.0476		mg/Kg		95	68 - 120
1,2-Dichloropropane	0.0500	0.0447		mg/Kg		89	75 - 120
Ethylbenzene	0.0500	0.0470		mg/Kg		94	75 - 120
2-Hexanone	0.0500	0.0459		mg/Kg		92	61 - 135
Methylene Chloride	0.0500	0.0475		mg/Kg		95	76 - 120
Methyl Ethyl Ketone	0.0500	0.0430		mg/Kg		86	59 - 141
methyl isobutyl ketone	0.0500	0.0472		mg/Kg		94	63 - 134
Methyl tert-butyl ether	0.0500	0.0515		mg/Kg		103	76 - 121
Styrene	0.0500	0.0482		mg/Kg		96	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0466		mg/Kg		93	73 - 129
Tetrachloroethene	0.0500	0.0479		mg/Kg		96	75 - 120
Toluene	0.0500	0.0478		mg/Kg		96	75 - 120
trans-1,2-Dichloroethene	0.0500	0.0503		mg/Kg		101	76 - 120
trans-1,3-Dichloropropene	0.0500	0.0485		mg/Kg		97	70 - 120
1,1,1-Trichloroethane	0.0500	0.0545		mg/Kg		109	69 - 123
1,1,2-Trichloroethane	0.0500	0.0462		mg/Kg		92	75 - 120
Trichloroethene	0.0500	0.0515		mg/Kg		103	75 - 120
Vinyl chloride	0.0500	0.0548		mg/Kg		110	67 - 125
Xylenes, Total	0.100	0.0944		mg/Kg		94	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 122
Dibromofluoromethane	105		75 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 134
Toluene-d8 (Surr)	111		75 - 122

Lab Sample ID: LCSD 500-229355/7

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0500	0.0492		mg/Kg		98	53 - 132	15	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-229355/7

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0398		mg/Kg		80	75 - 120	7	30
Bromodichloromethane	0.0500	0.0469		mg/Kg		94	75 - 123	5	30
Bromoform	0.0500	0.0449		mg/Kg		90	71 - 120	8	30
Bromomethane	0.0500	0.0782	*	mg/Kg		156	52 - 150	6	30
Carbon disulfide	0.0500	0.0385		mg/Kg		77	56 - 120	7	30
Carbon tetrachloride	0.0500	0.0540		mg/Kg		108	64 - 126	7	30
Chlorobenzene	0.0500	0.0416		mg/Kg		83	75 - 120	10	30
Chloroethane	0.0500	0.0728	*	mg/Kg		146	60 - 133	2	30
Chloroform	0.0500	0.0467		mg/Kg		93	75 - 120	5	30
Chloromethane	0.0500	0.0477		mg/Kg		95	61 - 129	2	30
cis-1,2-Dichloroethene	0.0500	0.0482		mg/Kg		96	75 - 120	6	30
cis-1,3-Dichloropropene	0.0500	0.0423		mg/Kg		85	74 - 120	10	30
Dibromochloromethane	0.0500	0.0485		mg/Kg		97	76 - 121	7	30
1,1-Dichloroethane	0.0500	0.0467		mg/Kg		93	75 - 120	6	30
1,2-Dichloroethane	0.0500	0.0492		mg/Kg		98	73 - 129	8	30
1,1-Dichloroethene	0.0500	0.0441		mg/Kg		88	68 - 120	8	30
1,2-Dichloropropane	0.0500	0.0411		mg/Kg		82	75 - 120	9	30
Ethylbenzene	0.0500	0.0415		mg/Kg		83	75 - 120	12	30
2-Hexanone	0.0500	0.0481		mg/Kg		96	61 - 135	5	30
Methylene Chloride	0.0500	0.0461		mg/Kg		92	76 - 120	3	30
Methyl Ethyl Ketone	0.0500	0.0460		mg/Kg		92	59 - 141	7	30
methyl isobutyl ketone	0.0500	0.0516		mg/Kg		103	63 - 134	9	30
Methyl tert-butyl ether	0.0500	0.0495		mg/Kg		99	76 - 121	4	30
Styrene	0.0500	0.0441		mg/Kg		88	75 - 120	9	30
1,1,2,2-Tetrachloroethane	0.0500	0.0473		mg/Kg		95	73 - 129	2	30
Tetrachloroethene	0.0500	0.0430		mg/Kg		86	75 - 120	11	30
Toluene	0.0500	0.0431		mg/Kg		86	75 - 120	10	30
trans-1,2-Dichloroethene	0.0500	0.0463		mg/Kg		93	76 - 120	8	30
trans-1,3-Dichloropropene	0.0500	0.0411		mg/Kg		82	70 - 120	17	30
1,1,1-Trichloroethane	0.0500	0.0492		mg/Kg		98	69 - 123	10	30
1,1,2-Trichloroethane	0.0500	0.0428		mg/Kg		86	75 - 120	8	30
Trichloroethene	0.0500	0.0453		mg/Kg		91	75 - 120	13	30
Vinyl chloride	0.0500	0.0540		mg/Kg		108	67 - 125	2	30
Xylenes, Total	0.100	0.0841		mg/Kg		84	75 - 120	12	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 122
Dibromofluoromethane	105		75 - 120
1,2-Dichloroethane-d4 (Surr)	99		70 - 134
Toluene-d8 (Surr)	107		75 - 122

Lab Sample ID: 500-74118-8 MS

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.031		0.0462	0.0641		mg/Kg	☼	72	53 - 132
Benzene	<0.0044		0.0462	0.0315	F1	mg/Kg	☼	68	75 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74118-8 MS

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	<0.0044		0.0462	0.0383		mg/Kg	✱	83	75 - 123
Bromoform	<0.0044		0.0462	0.0390		mg/Kg	✱	84	71 - 120
Bromomethane	<0.0044	*	0.0462	0.0544		mg/Kg	✱	118	52 - 150
Carbon disulfide	<0.0044		0.0462	0.0288		mg/Kg	✱	62	56 - 120
Carbon tetrachloride	<0.0044		0.0462	0.0413		mg/Kg	✱	89	64 - 126
Chlorobenzene	<0.0044		0.0462	0.0338	F1	mg/Kg	✱	73	75 - 120
Chloroethane	<0.0044	*	0.0462	0.0481		mg/Kg	✱	104	60 - 133
Chloroform	<0.0044		0.0462	0.0367		mg/Kg	✱	79	75 - 120
Chloromethane	<0.0044		0.0462	0.0311		mg/Kg	✱	67	61 - 129
cis-1,2-Dichloroethene	<0.0044		0.0462	0.0377		mg/Kg	✱	81	75 - 120
cis-1,3-Dichloropropene	<0.0044		0.0462	0.0339	F1	mg/Kg	✱	73	74 - 120
Dibromochloromethane	<0.0044		0.0462	0.0396		mg/Kg	✱	86	76 - 121
1,1-Dichloroethane	<0.0044		0.0462	0.0374		mg/Kg	✱	81	75 - 120
1,2-Dichloroethane	<0.0044		0.0462	0.0385		mg/Kg	✱	83	73 - 129
1,1-Dichloroethene	<0.0044		0.0462	0.0338		mg/Kg	✱	73	68 - 120
1,2-Dichloropropane	<0.0044		0.0462	0.0328	F1	mg/Kg	✱	71	75 - 120
Ethylbenzene	<0.0044		0.0462	0.0334	F1	mg/Kg	✱	72	75 - 120
2-Hexanone	<0.0044		0.0462	0.0320		mg/Kg	✱	69	61 - 135
Methylene Chloride	<0.0044		0.0462	0.0366		mg/Kg	✱	79	76 - 120
Methyl Ethyl Ketone	<0.0044		0.0462	0.0272		mg/Kg	✱	59	59 - 141
methyl isobutyl ketone	<0.0044		0.0462	0.0365		mg/Kg	✱	79	63 - 134
Methyl tert-butyl ether	<0.0044		0.0462	0.0380		mg/Kg	✱	82	76 - 121
Styrene	<0.0044		0.0462	0.0356		mg/Kg	✱	77	75 - 120
1,1,2,2-Tetrachloroethane	<0.0044		0.0462	0.0374		mg/Kg	✱	81	73 - 129
Tetrachloroethene	<0.0044		0.0462	0.0329	F1	mg/Kg	✱	71	75 - 120
Toluene	<0.0044		0.0462	0.0344	F1	mg/Kg	✱	74	75 - 120
trans-1,2-Dichloroethene	<0.0044		0.0462	0.0365		mg/Kg	✱	79	76 - 120
trans-1,3-Dichloropropene	<0.0044		0.0462	0.0332		mg/Kg	✱	72	70 - 120
1,1,1-Trichloroethane	<0.0044		0.0462	0.0388		mg/Kg	✱	84	69 - 123
1,1,2-Trichloroethane	<0.0044		0.0462	0.0350		mg/Kg	✱	76	75 - 120
Trichloroethene	<0.0044		0.0462	0.0371		mg/Kg	✱	80	75 - 120
Vinyl chloride	<0.0044		0.0462	0.0364		mg/Kg	✱	79	67 - 125
Xylenes, Total	<0.0088		0.0925	0.0688	F1	mg/Kg	✱	74	75 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 122
Dibromofluoromethane	106		75 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 134
Toluene-d8 (Surr)	108		75 - 122

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acetone	0.031		0.0454	0.0599		mg/Kg	✱	64	53 - 132	7	30
Benzene	<0.0044		0.0454	0.0326	F1	mg/Kg	✱	72	75 - 120	4	30
Bromodichloromethane	<0.0044		0.0454	0.0391		mg/Kg	✱	86	75 - 123	2	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229355

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.0044		0.0454	0.0390		mg/Kg	☼	86	71 - 120	0	30
Bromomethane	<0.0044	*	0.0454	0.0577		mg/Kg	☼	127	52 - 150	6	30
Carbon disulfide	<0.0044		0.0454	0.0300		mg/Kg	☼	66	56 - 120	4	30
Carbon tetrachloride	<0.0044		0.0454	0.0417		mg/Kg	☼	92	64 - 126	1	30
Chlorobenzene	<0.0044		0.0454	0.0350		mg/Kg	☼	77	75 - 120	3	30
Chloroethane	<0.0044	*	0.0454	0.0529		mg/Kg	☼	117	60 - 133	10	30
Chloroform	<0.0044		0.0454	0.0380		mg/Kg	☼	84	75 - 120	3	30
Chloromethane	<0.0044		0.0454	0.0336		mg/Kg	☼	74	61 - 129	8	30
cis-1,2-Dichloroethene	<0.0044		0.0454	0.0395		mg/Kg	☼	87	75 - 120	5	30
cis-1,3-Dichloropropene	<0.0044		0.0454	0.0357		mg/Kg	☼	79	74 - 120	5	30
Dibromochloromethane	<0.0044		0.0454	0.0407		mg/Kg	☼	90	76 - 121	3	30
1,1-Dichloroethane	<0.0044		0.0454	0.0380		mg/Kg	☼	84	75 - 120	2	30
1,2-Dichloroethane	<0.0044		0.0454	0.0397		mg/Kg	☼	87	73 - 129	3	30
1,1-Dichloroethene	<0.0044		0.0454	0.0346		mg/Kg	☼	76	68 - 120	2	30
1,2-Dichloropropane	<0.0044		0.0454	0.0343		mg/Kg	☼	76	75 - 120	5	30
Ethylbenzene	<0.0044		0.0454	0.0337	F1	mg/Kg	☼	74	75 - 120	1	30
2-Hexanone	<0.0044		0.0454	0.0295		mg/Kg	☼	65	61 - 135	8	30
Methylene Chloride	<0.0044		0.0454	0.0369		mg/Kg	☼	81	76 - 120	1	30
Methyl Ethyl Ketone	<0.0044		0.0454	0.0253	F1	mg/Kg	☼	56	59 - 141	7	30
methyl isobutyl ketone	<0.0044		0.0454	0.0346		mg/Kg	☼	76	63 - 134	5	30
Methyl tert-butyl ether	<0.0044		0.0454	0.0395		mg/Kg	☼	87	76 - 121	4	30
Styrene	<0.0044		0.0454	0.0367		mg/Kg	☼	81	75 - 120	3	30
1,1,2,2-Tetrachloroethane	<0.0044		0.0454	0.0359		mg/Kg	☼	79	73 - 129	4	30
Tetrachloroethene	<0.0044		0.0454	0.0325	F1	mg/Kg	☼	72	75 - 120	1	30
Toluene	<0.0044		0.0454	0.0357		mg/Kg	☼	79	75 - 120	4	30
trans-1,2-Dichloroethene	<0.0044		0.0454	0.0369		mg/Kg	☼	81	76 - 120	1	30
trans-1,3-Dichloropropene	<0.0044		0.0454	0.0357		mg/Kg	☼	79	70 - 120	7	30
1,1,1-Trichloroethane	<0.0044		0.0454	0.0392		mg/Kg	☼	86	69 - 123	1	30
1,1,2-Trichloroethane	<0.0044		0.0454	0.0360		mg/Kg	☼	79	75 - 120	3	30
Trichloroethene	<0.0044		0.0454	0.0377		mg/Kg	☼	83	75 - 120	2	30
Vinyl chloride	<0.0044		0.0454	0.0389		mg/Kg	☼	86	67 - 125	7	30
Xylenes, Total	<0.0088		0.0908	0.0713		mg/Kg	☼	79	75 - 120	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 122
Dibromofluoromethane	102		75 - 120
1,2-Dichloroethane-d4 (Surr)	94		70 - 134
Toluene-d8 (Surr)	108		75 - 122

Lab Sample ID: MB 500-230079/6

Matrix: Water

Analysis Batch: 230079

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/04/14 11:09	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/04/14 11:09	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/04/14 11:09	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/04/14 11:09	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-230079/6

Matrix: Water

Analysis Batch: 230079

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/04/14 11:09	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/04/14 11:09	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/04/14 11:09	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/04/14 11:09	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/04/14 11:09	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/04/14 11:09	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/04/14 11:09	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/04/14 11:09	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/04/14 11:09	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/04/14 11:09	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/04/14 11:09	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/04/14 11:09	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/04/14 11:09	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/04/14 11:09	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/04/14 11:09	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/04/14 11:09	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/04/14 11:09	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/04/14 11:09	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/04/14 11:09	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/04/14 11:09	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/04/14 11:09	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/04/14 11:09	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/04/14 11:09	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/04/14 11:09	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/04/14 11:09	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/04/14 11:09	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/04/14 11:09	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/04/14 11:09	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/04/14 11:09	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/04/14 11:09	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/04/14 11:09	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/04/14 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 120		04/04/14 11:09	1
Dibromofluoromethane	88		75 - 120		04/04/14 11:09	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 125		04/04/14 11:09	1
Toluene-d8 (Surr)	91		75 - 120		04/04/14 11:09	1

Lab Sample ID: LCS 500-230079/4

Matrix: Water

Analysis Batch: 230079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0520		mg/L		104	48 - 149
Benzene	0.0500	0.0491		mg/L		98	75 - 120
Bromodichloromethane	0.0500	0.0577		mg/L		115	77 - 121
Bromoform	0.0500	0.0578		mg/L		116	68 - 126

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-230079/4

Matrix: Water

Analysis Batch: 230079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0254		mg/L		51	45 - 169
Carbon disulfide	0.0500	0.0449		mg/L		90	56 - 120
Carbon tetrachloride	0.0500	0.0527		mg/L		105	70 - 126
Chlorobenzene	0.0500	0.0502		mg/L		100	75 - 120
Chloroethane	0.0500	0.0358		mg/L		72	58 - 147
Chloroform	0.0500	0.0499		mg/L		100	76 - 120
Chloromethane	0.0500	0.0590		mg/L		118	63 - 133
cis-1,2-Dichloroethene	0.0500	0.0473		mg/L		95	75 - 120
cis-1,3-Dichloropropene	0.0500	0.0562		mg/L		112	78 - 121
Dibromochloromethane	0.0500	0.0506		mg/L		101	71 - 126
1,1-Dichloroethane	0.0500	0.0491		mg/L		98	75 - 120
1,2-Dichloroethane	0.0500	0.0566		mg/L		113	69 - 130
1,1-Dichloroethene	0.0500	0.0455		mg/L		91	69 - 120
1,2-Dichloropropane	0.0500	0.0547		mg/L		109	75 - 120
Ethylbenzene	0.0500	0.0501		mg/L		100	75 - 120
2-Hexanone	0.0500	0.0546		mg/L		109	55 - 140
Methylene Chloride	0.0500	0.0391		mg/L		78	73 - 120
Methyl Ethyl Ketone	0.0500	0.0630		mg/L		126	53 - 142
methyl isobutyl ketone	0.0500	0.0530		mg/L		106	58 - 135
Methyl tert-butyl ether	0.0500	0.0485		mg/L		97	75 - 120
Styrene	0.0500	0.0521		mg/L		104	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0536		mg/L		107	72 - 130
Tetrachloroethene	0.0500	0.0538		mg/L		108	75 - 120
Toluene	0.0500	0.0521		mg/L		104	75 - 120
trans-1,2-Dichloroethene	0.0500	0.0454		mg/L		91	77 - 120
trans-1,3-Dichloropropene	0.0500	0.0563		mg/L		113	74 - 123
1,1,1-Trichloroethane	0.0500	0.0510		mg/L		102	72 - 124
1,1,2-Trichloroethane	0.0500	0.0549		mg/L		110	75 - 120
Trichloroethene	0.0500	0.0534		mg/L		107	75 - 120
Vinyl chloride	0.0500	0.0449		mg/L		90	72 - 123
Xylenes, Total	0.100	0.102		mg/L		102	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	112		75 - 125
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: MB 500-230080/6

Matrix: Solid

Analysis Batch: 230080

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/Kg			04/04/14 11:09	1
Benzene	<0.00025		0.00025	0.000074	mg/Kg			04/04/14 11:09	1
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/Kg			04/04/14 11:09	1
Bromoform	<0.0020		0.0020	0.00044	mg/Kg			04/04/14 11:09	1
Bromomethane	<0.0020		0.0020	0.00068	mg/Kg			04/04/14 11:09	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-230080/6

Matrix: Solid

Analysis Batch: 230080

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	<0.0050		0.0050	0.00043	mg/Kg			04/04/14 11:09	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/Kg			04/04/14 11:09	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/Kg			04/04/14 11:09	1
Chloroethane	<0.0020		0.0020	0.00044	mg/Kg			04/04/14 11:09	1
Chloroform	<0.0010		0.0010	0.00021	mg/Kg			04/04/14 11:09	1
Chloromethane	<0.0020		0.0020	0.00046	mg/Kg			04/04/14 11:09	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/Kg			04/04/14 11:09	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/Kg			04/04/14 11:09	1
Dibromochloromethane	<0.0020		0.0020	0.00035	mg/Kg			04/04/14 11:09	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/Kg			04/04/14 11:09	1
1,2-Dichloroethane	<0.0010		0.0010	0.00029	mg/Kg			04/04/14 11:09	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/Kg			04/04/14 11:09	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/Kg			04/04/14 11:09	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/Kg			04/04/14 11:09	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			04/04/14 11:09	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/Kg			04/04/14 11:09	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/Kg			04/04/14 11:09	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/Kg			04/04/14 11:09	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/Kg			04/04/14 11:09	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00043	mg/Kg			04/04/14 11:09	1
Styrene	<0.0010		0.0010	0.000099	mg/Kg			04/04/14 11:09	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/Kg			04/04/14 11:09	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/Kg			04/04/14 11:09	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			04/04/14 11:09	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/Kg			04/04/14 11:09	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/Kg			04/04/14 11:09	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/Kg			04/04/14 11:09	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/Kg			04/04/14 11:09	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/Kg			04/04/14 11:09	1
Vinyl chloride	<0.00025		0.00025	0.00010	mg/Kg			04/04/14 11:09	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			04/04/14 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 120		04/04/14 11:09	1
Dibromofluoromethane	88		75 - 120		04/04/14 11:09	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 125		04/04/14 11:09	1
Toluene-d8 (Surr)	91		75 - 120		04/04/14 11:09	1

Lab Sample ID: LCS 500-230080/4

Matrix: Solid

Analysis Batch: 230080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0520		mg/Kg		104	48 - 149
Benzene	0.0500	0.0491		mg/Kg		98	75 - 120
Bromodichloromethane	0.0500	0.0577		mg/Kg		115	77 - 121
Bromoform	0.0500	0.0578		mg/Kg		116	68 - 126
Bromomethane	0.0500	0.0254		mg/Kg		51	45 - 169

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-230080/4

Matrix: Solid

Analysis Batch: 230080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	0.0500	0.0449		mg/Kg		90	56 - 120
Carbon tetrachloride	0.0500	0.0527		mg/Kg		105	70 - 126
Chlorobenzene	0.0500	0.0502		mg/Kg		100	75 - 120
Chloroethane	0.0500	0.0358		mg/Kg		72	58 - 147
Chloroform	0.0500	0.0499		mg/Kg		100	76 - 120
Chloromethane	0.0500	0.0590		mg/Kg		118	63 - 133
cis-1,2-Dichloroethene	0.0500	0.0473		mg/Kg		95	75 - 120
cis-1,3-Dichloropropene	0.0500	0.0562		mg/Kg		112	78 - 121
Dibromochloromethane	0.0500	0.0506		mg/Kg		101	71 - 126
1,1-Dichloroethane	0.0500	0.0491		mg/Kg		98	75 - 120
1,2-Dichloroethane	0.0500	0.0566		mg/Kg		113	69 - 130
1,1-Dichloroethene	0.0500	0.0455		mg/Kg		91	69 - 120
1,2-Dichloropropane	0.0500	0.0547		mg/Kg		109	75 - 120
Ethylbenzene	0.0500	0.0501		mg/Kg		100	75 - 120
2-Hexanone	0.0500	0.0546		mg/Kg		109	55 - 140
Methylene Chloride	0.0500	0.0391		mg/Kg		78	73 - 120
Methyl Ethyl Ketone	0.0500	0.0630		mg/Kg		126	53 - 142
methyl isobutyl ketone	0.0500	0.0530		mg/Kg		106	58 - 135
Methyl tert-butyl ether	0.0500	0.0485		mg/Kg		97	75 - 120
Styrene	0.0500	0.0521		mg/Kg		104	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0536		mg/Kg		107	72 - 130
Tetrachloroethene	0.0500	0.0538		mg/Kg		108	75 - 120
Toluene	0.0500	0.0521		mg/Kg		104	75 - 120
trans-1,2-Dichloroethene	0.0500	0.0454		mg/Kg		91	77 - 120
trans-1,3-Dichloropropene	0.0500	0.0563		mg/Kg		113	74 - 123
1,1,1-Trichloroethane	0.0500	0.0510		mg/Kg		102	72 - 124
1,1,2-Trichloroethane	0.0500	0.0549		mg/Kg		110	75 - 120
Trichloroethene	0.0500	0.0534		mg/Kg		107	75 - 120
Vinyl chloride	0.0500	0.0449		mg/Kg		90	72 - 123
Xylenes, Total	0.100	0.102		mg/Kg		102	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	112		75 - 125
Toluene-d8 (Surr)	93		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-229335/1-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 229335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		03/31/14 07:21	04/01/14 11:35	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-229335/1-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 229335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Carbazole	<0.17		0.17	0.086	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4,6-Dinitro-2-methylphenol	<0.33		0.33	0.27	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4-Dinitrophenol	<0.67		0.67	0.59	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Fluorene	<0.033		0.033	0.0047	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Isophorone	<0.17		0.17	0.037	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2-Methylnaphthalene	<0.033		0.033	0.0061	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg		03/31/14 07:21	04/01/14 11:35	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-229335/1-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 229335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<0.33		0.33	0.079	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.041	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Phenol	<0.17		0.17	0.074	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg		03/31/14 07:21	04/01/14 11:35	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg		03/31/14 07:21	04/01/14 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	03/31/14 07:21	04/01/14 11:35	1
2-Fluorophenol	94		25 - 110	03/31/14 07:21	04/01/14 11:35	1
Nitrobenzene-d5	71		25 - 115	03/31/14 07:21	04/01/14 11:35	1
Phenol-d5	93		31 - 110	03/31/14 07:21	04/01/14 11:35	1
Terphenyl-d14	95		36 - 134	03/31/14 07:21	04/01/14 11:35	1
2,4,6-Tribromophenol	87		35 - 137	03/31/14 07:21	04/01/14 11:35	1

Lab Sample ID: LCS 500-229335/2-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	1.08		mg/Kg		81	47 - 110
Acenaphthylene	1.33	1.16		mg/Kg		87	51 - 113
Anthracene	1.33	1.09		mg/Kg		82	53 - 121
Benzo[a]anthracene	1.33	1.19		mg/Kg		89	52 - 113
Benzo[a]pyrene	1.33	1.21		mg/Kg		90	52 - 110
Benzo[b]fluoranthene	1.33	1.26		mg/Kg		94	49 - 118
Benzo[g,h,i]perylene	1.33	1.20		mg/Kg		90	53 - 115
Benzo[k]fluoranthene	1.33	1.22		mg/Kg		91	46 - 115
Bis(2-chloroethoxy)methane	1.33	1.20		mg/Kg		90	50 - 110
Bis(2-chloroethyl)ether	1.33	1.20		mg/Kg		90	41 - 112
Bis(2-ethylhexyl) phthalate	1.33	1.78	*	mg/Kg		134	52 - 129
4-Bromophenyl phenyl ether	1.33	1.16		mg/Kg		87	55 - 122
Butyl benzyl phthalate	1.33	1.80	*	mg/Kg		135	54 - 126
Carbazole	1.33	1.62		mg/Kg		121	56 - 123
4-Chloroaniline	1.33	0.961		mg/Kg		72	23 - 114
4-Chloro-3-methylphenol	1.33	1.24		mg/Kg		93	56 - 117
2-Chloronaphthalene	1.33	1.17		mg/Kg		88	51 - 113
2-Chlorophenol	1.33	1.30		mg/Kg		97	50 - 118
4-Chlorophenyl phenyl ether	1.33	1.09		mg/Kg		82	54 - 120
Chrysene	1.33	1.14		mg/Kg		85	51 - 112
Dibenz(a,h)anthracene	1.33	1.29		mg/Kg		97	48 - 113
Dibenzofuran	1.33	1.11		mg/Kg		83	52 - 115

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-229335/2-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	1.33	1.18		mg/Kg		88	48 - 110
1,3-Dichlorobenzene	1.33	1.10		mg/Kg		83	45 - 110
1,4-Dichlorobenzene	1.33	1.12		mg/Kg		84	46 - 110
3,3'-Dichlorobenzidine	1.33	0.913		mg/Kg		68	35 - 113
2,4-Dichlorophenol	1.33	1.13		mg/Kg		85	54 - 118
Diethyl phthalate	1.33	1.10		mg/Kg		83	47 - 129
2,4-Dimethylphenol	1.33	1.14		mg/Kg		86	50 - 125
Dimethyl phthalate	1.33	1.20		mg/Kg		90	55 - 116
Di-n-butyl phthalate	1.33	1.32		mg/Kg		99	53 - 121
4,6-Dinitro-2-methylphenol	2.67	1.48		mg/Kg		55	10 - 110
2,4-Dinitrophenol	2.67	0.876		mg/Kg		33	10 - 110
2,4-Dinitrotoluene	1.33	1.32		mg/Kg		99	55 - 123
2,6-Dinitrotoluene	1.33	1.31		mg/Kg		98	54 - 121
Di-n-octyl phthalate	1.33	1.10		mg/Kg		82	44 - 137
Fluoranthene	1.33	1.07		mg/Kg		80	53 - 122
Fluorene	1.33	1.05		mg/Kg		79	51 - 119
Hexachlorobenzene	1.33	1.16		mg/Kg		87	55 - 121
Hexachlorobutadiene	1.33	0.946		mg/Kg		71	45 - 119
Hexachlorocyclopentadiene	1.33	0.481	J	mg/Kg		36	10 - 134
Hexachloroethane	1.33	1.17		mg/Kg		88	42 - 111
Indeno[1,2,3-cd]pyrene	1.33	1.23		mg/Kg		92	49 - 113
Isophorone	1.33	1.12		mg/Kg		84	46 - 110
2-Methylnaphthalene	1.33	1.07		mg/Kg		81	49 - 110
2-Methylphenol	1.33	1.20		mg/Kg		90	48 - 120
3 & 4 Methylphenol	1.33	1.20		mg/Kg		90	48 - 122
Naphthalene	1.33	1.03		mg/Kg		77	49 - 110
2-Nitroaniline	1.33	1.13		mg/Kg		85	51 - 124
3-Nitroaniline	1.33	1.14		mg/Kg		85	43 - 113
4-Nitroaniline	1.33	1.23		mg/Kg		92	31 - 135
Nitrobenzene	1.33	1.09		mg/Kg		81	49 - 110
2-Nitrophenol	1.33	1.30		mg/Kg		97	42 - 129
4-Nitrophenol	2.67	1.74		mg/Kg		65	25 - 143
N-Nitrosodi-n-propylamine	1.33	1.15		mg/Kg		86	44 - 112
N-Nitrosodiphenylamine	1.33	1.30		mg/Kg		97	48 - 113
2,2'-oxybis[1-chloropropane]	1.33	0.714		mg/Kg		54	32 - 117
Pentachlorophenol	2.67	1.60		mg/Kg		60	10 - 152
Phenanthrene	1.33	1.07		mg/Kg		80	54 - 120
Phenol	1.33	1.32		mg/Kg		99	50 - 117
Pyrene	1.33	1.47		mg/Kg		110	54 - 119
1,2,4-Trichlorobenzene	1.33	1.01		mg/Kg		75	48 - 113
2,4,5-Trichlorophenol	1.33	1.23		mg/Kg		92	49 - 123
2,4,6-Trichlorophenol	1.33	1.14		mg/Kg		85	43 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	83		25 - 119
2-Fluorophenol	89		25 - 110
Nitrobenzene-d5	71		25 - 115
Phenol-d5	98		31 - 110

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-229335/2-A

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 229335

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	113		36 - 134
2,4,6-Tribromophenol	88		35 - 137

Lab Sample ID: 500-74118-8 MS

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.036		1.51	0.991		mg/Kg	☼	65	47 - 110
Acenaphthylene	<0.036		1.51	1.05		mg/Kg	☼	69	51 - 113
Anthracene	<0.036		1.51	1.02		mg/Kg	☼	67	53 - 121
Benzo[a]anthracene	<0.036		1.51	1.15		mg/Kg	☼	76	52 - 113
Benzo[a]pyrene	<0.036		1.51	1.10		mg/Kg	☼	72	52 - 110
Benzo[b]fluoranthene	<0.036		1.51	1.07		mg/Kg	☼	71	49 - 118
Benzo[g,h,i]perylene	<0.036		1.51	1.17		mg/Kg	☼	77	53 - 115
Benzo[k]fluoranthene	<0.036		1.51	1.10		mg/Kg	☼	73	46 - 115
Bis(2-chloroethoxy)methane	<0.18		1.51	1.02		mg/Kg	☼	67	50 - 110
Bis(2-chloroethyl)ether	<0.18		1.51	0.929		mg/Kg	☼	61	41 - 112
Bis(2-ethylhexyl) phthalate	0.32	*	1.51	1.73		mg/Kg	☼	93	52 - 129
4-Bromophenyl phenyl ether	<0.18		1.51	1.05		mg/Kg	☼	69	55 - 122
Butyl benzyl phthalate	<0.18	*	1.51	1.57		mg/Kg	☼	103	54 - 126
Carbazole	<0.18		1.51	1.58		mg/Kg	☼	104	56 - 123
4-Chloroaniline	<0.74		1.51	1.12		mg/Kg	☼	74	23 - 114
4-Chloro-3-methylphenol	<0.36		1.51	1.24		mg/Kg	☼	82	56 - 117
2-Chloronaphthalene	<0.18		1.51	1.04		mg/Kg	☼	69	51 - 113
2-Chlorophenol	<0.18		1.51	1.10		mg/Kg	☼	73	50 - 118
4-Chlorophenyl phenyl ether	<0.18		1.51	1.01		mg/Kg	☼	67	54 - 120
Chrysene	<0.036		1.51	1.12		mg/Kg	☼	74	51 - 112
Dibenz(a,h)anthracene	<0.036		1.51	1.30		mg/Kg	☼	86	48 - 113
Dibenzofuran	<0.18		1.51	1.06		mg/Kg	☼	70	52 - 115
1,2-Dichlorobenzene	<0.18		1.51	0.786		mg/Kg	☼	52	48 - 110
1,3-Dichlorobenzene	<0.18		1.51	0.697		mg/Kg	☼	46	45 - 110
1,4-Dichlorobenzene	<0.18		1.51	0.737		mg/Kg	☼	49	46 - 110
3,3'-Dichlorobenzidine	<0.18		1.51	1.02		mg/Kg	☼	67	35 - 113
2,4-Dichlorophenol	<0.36		1.51	1.07		mg/Kg	☼	70	54 - 118
Diethyl phthalate	<0.18		1.51	1.07		mg/Kg	☼	70	47 - 129
2,4-Dimethylphenol	<0.36		1.51	1.03		mg/Kg	☼	68	50 - 125
Dimethyl phthalate	<0.18		1.51	1.12		mg/Kg	☼	74	55 - 116
Di-n-butyl phthalate	<0.18		1.51	1.23		mg/Kg	☼	81	53 - 121
4,6-Dinitro-2-methylphenol	<0.36		3.03	1.10		mg/Kg	☼	36	10 - 110
2,4-Dinitrophenol	<0.74		3.03	<0.76	F1	mg/Kg	☼	0	10 - 110
2,4-Dinitrotoluene	<0.18		1.51	1.29		mg/Kg	☼	85	55 - 123
2,6-Dinitrotoluene	<0.18		1.51	1.26		mg/Kg	☼	83	54 - 121
Di-n-octyl phthalate	<0.18		1.51	1.43		mg/Kg	☼	94	44 - 137
Fluoranthene	<0.036		1.51	0.986		mg/Kg	☼	65	53 - 122
Fluorene	<0.036		1.51	1.01		mg/Kg	☼	66	51 - 119
Hexachlorobenzene	<0.074		1.51	1.05		mg/Kg	☼	69	55 - 121
Hexachlorobutadiene	<0.18		1.51	0.671	F1	mg/Kg	☼	44	45 - 119

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74118-8 MS

Matrix: Solid

Analysis Batch: 229527

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	<0.74		1.51	<0.76	F1	mg/Kg	✱	0	10 - 134
Hexachloroethane	<0.18		1.51	0.798		mg/Kg	✱	53	42 - 111
Indeno[1,2,3-cd]pyrene	<0.036		1.51	1.22		mg/Kg	✱	81	49 - 113
Isophorone	<0.18		1.51	0.930		mg/Kg	✱	61	46 - 110
2-Methylnaphthalene	<0.036		1.51	0.916		mg/Kg	✱	60	49 - 110
2-Methylphenol	<0.18		1.51	1.20		mg/Kg	✱	79	48 - 120
3 & 4 Methylphenol	<0.18		1.51	1.50		mg/Kg	✱	99	48 - 122
Naphthalene	<0.036		1.51	0.833		mg/Kg	✱	55	49 - 110
2-Nitroaniline	<0.18		1.51	1.13		mg/Kg	✱	75	51 - 124
3-Nitroaniline	<0.36		1.51	1.34		mg/Kg	✱	89	43 - 113
4-Nitroaniline	<0.36		1.51	1.49		mg/Kg	✱	98	31 - 135
Nitrobenzene	<0.036		1.51	0.793		mg/Kg	✱	52	49 - 110
2-Nitrophenol	<0.36		1.51	1.01		mg/Kg	✱	66	42 - 129
4-Nitrophenol	<0.74		3.03	2.04		mg/Kg	✱	67	25 - 143
N-Nitrosodi-n-propylamine	<0.18		1.51	1.28		mg/Kg	✱	85	44 - 112
N-Nitrosodiphenylamine	<0.18		1.51	1.21		mg/Kg	✱	80	48 - 113
2,2'-oxybis[1-chloropropane]	<0.18		1.51	1.06		mg/Kg	✱	70	32 - 117
Pentachlorophenol	<0.74		3.03	1.59		mg/Kg	✱	52	10 - 152
Phenanthrene	<0.036		1.51	1.04		mg/Kg	✱	69	54 - 120
Phenol	<0.18		1.51	1.26		mg/Kg	✱	83	50 - 117
Pyrene	<0.036		1.51	1.20		mg/Kg	✱	79	54 - 119
1,2,4-Trichlorobenzene	<0.18		1.51	0.783		mg/Kg	✱	52	48 - 113
2,4,5-Trichlorophenol	<0.36		1.51	1.34		mg/Kg	✱	89	49 - 123
2,4,6-Trichlorophenol	<0.36		1.51	0.892		mg/Kg	✱	59	43 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	62		25 - 119
2-Fluorophenol	71		25 - 110
Nitrobenzene-d5	42		25 - 115
Phenol-d5	75		31 - 110
Terphenyl-d14	80		36 - 134
2,4,6-Tribromophenol	74		35 - 137

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229708

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	<0.036		1.52	0.775		mg/Kg	✱	51	47 - 110	24	30
Acenaphthylene	<0.036		1.52	0.829		mg/Kg	✱	54	51 - 113	24	30
Anthracene	<0.036		1.52	0.897		mg/Kg	✱	59	53 - 121	13	30
Benzo[a]anthracene	<0.036		1.52	0.966		mg/Kg	✱	63	52 - 113	17	30
Benzo[a]pyrene	<0.036		1.52	0.935		mg/Kg	✱	61	52 - 110	16	30
Benzo[b]fluoranthene	<0.036		1.52	0.933		mg/Kg	✱	61	49 - 118	14	30
Benzo[g,h,i]perylene	<0.036		1.52	0.915		mg/Kg	✱	60	53 - 115	25	30
Benzo[k]fluoranthene	<0.036		1.52	0.930		mg/Kg	✱	61	46 - 115	17	30
Bis(2-chloroethoxy)methane	<0.18		1.52	0.810		mg/Kg	✱	53	50 - 110	23	30
Bis(2-chloroethyl)ether	<0.18		1.52	0.753		mg/Kg	✱	49	41 - 112	21	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229708

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	0.32	*	1.52	1.39		mg/Kg	✱	70	52 - 129	22	30
4-Bromophenyl phenyl ether	<0.18		1.52	0.859		mg/Kg	✱	56	55 - 122	20	30
Butyl benzyl phthalate	<0.18	*	1.52	1.03	F2	mg/Kg	✱	68	54 - 126	41	30
Carbazole	<0.18		1.52	1.33		mg/Kg	✱	87	56 - 123	17	30
4-Chloroaniline	<0.74		1.52	0.715	J F2	mg/Kg	✱	47	23 - 114	44	30
4-Chloro-3-methylphenol	<0.36		1.52	0.930		mg/Kg	✱	61	56 - 117	29	30
2-Chloronaphthalene	<0.18		1.52	0.816		mg/Kg	✱	54	51 - 113	24	30
2-Chlorophenol	<0.18		1.52	0.805	F2	mg/Kg	✱	53	50 - 118	31	30
4-Chlorophenyl phenyl ether	<0.18		1.52	1.05		mg/Kg	✱	69	54 - 120	3	30
Chrysene	<0.036		1.52	0.927		mg/Kg	✱	61	51 - 112	19	30
Dibenz(a,h)anthracene	<0.036		1.52	1.04		mg/Kg	✱	68	48 - 113	22	30
Dibenzofuran	<0.18		1.52	0.884		mg/Kg	✱	58	52 - 115	18	30
1,2-Dichlorobenzene	<0.18		1.52	0.691	F1	mg/Kg	✱	45	48 - 110	13	30
1,3-Dichlorobenzene	<0.18		1.52	0.619	F1	mg/Kg	✱	41	45 - 110	12	30
1,4-Dichlorobenzene	<0.18		1.52	0.656	F1	mg/Kg	✱	43	46 - 110	12	30
3,3'-Dichlorobenzidine	<0.18		1.52	0.973		mg/Kg	✱	64	35 - 113	5	30
2,4-Dichlorophenol	<0.36		1.52	0.909		mg/Kg	✱	60	54 - 118	16	30
Diethyl phthalate	<0.18		1.52	1.11		mg/Kg	✱	73	47 - 129	4	30
2,4-Dimethylphenol	<0.36		1.52	0.760		mg/Kg	✱	50	50 - 125	30	30
Dimethyl phthalate	<0.18		1.52	0.936		mg/Kg	✱	62	55 - 116	18	30
Di-n-butyl phthalate	<0.18		1.52	0.968		mg/Kg	✱	64	53 - 121	24	30
4,6-Dinitro-2-methylphenol	<0.36		3.04	1.61	F2	mg/Kg	✱	53	10 - 110	37	30
2,4-Dinitrophenol	<0.74		3.04	1.45		mg/Kg	✱	48	10 - 110	NC	30
2,4-Dinitrotoluene	<0.18		1.52	1.13		mg/Kg	✱	74	55 - 123	13	30
2,6-Dinitrotoluene	<0.18		1.52	1.01		mg/Kg	✱	66	54 - 121	22	30
Di-n-octyl phthalate	<0.18		1.52	1.26		mg/Kg	✱	83	44 - 137	13	30
Fluoranthene	<0.036		1.52	0.978		mg/Kg	✱	64	53 - 122	1	30
Fluorene	<0.036		1.52	0.980		mg/Kg	✱	64	51 - 119	3	30
Hexachlorobenzene	<0.074		1.52	0.765	F1 F2	mg/Kg	✱	50	55 - 121	31	30
Hexachlorobutadiene	<0.18		1.52	0.811		mg/Kg	✱	53	45 - 119	19	30
Hexachlorocyclopentadiene	<0.74		1.52	0.235	J	mg/Kg	✱	15	10 - 134	NC	30
Hexachloroethane	<0.18		1.52	0.701		mg/Kg	✱	46	42 - 111	13	30
Indeno[1,2,3-cd]pyrene	<0.036		1.52	0.994		mg/Kg	✱	65	49 - 113	21	30
Isophorone	<0.18		1.52	0.817		mg/Kg	✱	54	46 - 110	13	30
2-Methylnaphthalene	<0.036		1.52	0.748		mg/Kg	✱	49	49 - 110	20	30
2-Methylphenol	<0.18		1.52	0.810	F2	mg/Kg	✱	53	48 - 120	39	30
3 & 4 Methylphenol	<0.18		1.52	0.848	F2	mg/Kg	✱	56	48 - 122	56	30
Naphthalene	<0.036		1.52	0.708	F1	mg/Kg	✱	47	49 - 110	16	30
2-Nitroaniline	<0.18		1.52	1.06		mg/Kg	✱	70	51 - 124	7	30
3-Nitroaniline	<0.36		1.52	0.938	F2	mg/Kg	✱	62	43 - 113	36	30
4-Nitroaniline	<0.36		1.52	1.13		mg/Kg	✱	75	31 - 135	27	30
Nitrobenzene	<0.036		1.52	0.871		mg/Kg	✱	57	49 - 110	9	30
2-Nitrophenol	<0.36		1.52	0.856		mg/Kg	✱	56	42 - 129	16	30
4-Nitrophenol	<0.74		3.04	2.38		mg/Kg	✱	78	25 - 143	16	30
N-Nitrosodi-n-propylamine	<0.18		1.52	0.901	F2	mg/Kg	✱	59	44 - 112	35	30
N-Nitrosodiphenylamine	<0.18		1.52	0.981		mg/Kg	✱	64	48 - 113	21	30
2,2'-oxybis[1-chloropropane]	<0.18		1.52	0.935		mg/Kg	✱	61	32 - 117	13	30
Pentachlorophenol	<0.74		3.04	1.80		mg/Kg	✱	59	10 - 152	12	30

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229708

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	<0.036		1.52	0.933		mg/Kg	☼	61	54 - 120	11	30
Phenol	<0.18		1.52	0.855	F2	mg/Kg	☼	56	50 - 117	38	30
Pyrene	<0.036		1.52	0.912		mg/Kg	☼	60	54 - 119	27	30
1,2,4-Trichlorobenzene	<0.18		1.52	0.793		mg/Kg	☼	52	48 - 113	1	30
2,4,5-Trichlorophenol	<0.36		1.52	1.07		mg/Kg	☼	70	49 - 123	23	30
2,4,6-Trichlorophenol	<0.36		1.52	0.980		mg/Kg	☼	64	43 - 127	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	51		25 - 119
2-Fluorophenol	45		25 - 110
Nitrobenzene-d5	45		25 - 115
Phenol-d5	49		31 - 110
Terphenyl-d14	57		36 - 134
2,4,6-Tribromophenol	60		35 - 137

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-229495/1-A

Matrix: Solid

Analysis Batch: 229692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 229495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	0.15	mg/Kg		03/31/14 16:30	04/01/14 20:05	1

Lab Sample ID: LCS 500-229495/2-A

Matrix: Solid

Analysis Batch: 229692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 229495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	9.75		mg/Kg		98	80 - 120

Lab Sample ID: 500-74118-8 MS

Matrix: Solid

Analysis Batch: 229692

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	11		10.8	16.8	F1	mg/Kg	☼	52	75 - 125

Lab Sample ID: 500-74118-8 MSD

Matrix: Solid

Analysis Batch: 229692

Client Sample ID: GP-15A-140327

Prep Type: Total/NA

Prep Batch: 229495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	11		10.6	19.6		mg/Kg	☼	79	75 - 125	16	20

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-74118-8 DU
Matrix: Solid
Analysis Batch: 229692

Client Sample ID: GP-15A-140327
Prep Type: Total/NA
Prep Batch: 229495

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	11		10.3		mg/Kg	✱	9	20

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-12A-140327

Date Collected: 03/27/14 08:40

Date Received: 03/28/14 15:34

Lab Sample ID: 500-74118-1

Matrix: Solid

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 12:59	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 17:12	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:21	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-12B-140327

Date Collected: 03/27/14 08:55

Date Received: 03/28/14 15:34

Lab Sample ID: 500-74118-2

Matrix: Solid

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229289	03/27/14 08:55	WRE	TAL CHI
Total/NA	Analysis	8260B		200	230080	04/04/14 19:26	BDA	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 17:34	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:25	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-13A-140328

Date Collected: 03/28/14 11:10

Date Received: 03/28/14 15:34

Lab Sample ID: 500-74118-3

Matrix: Solid

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 13:22	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 17:57	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:29	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-13B-140328

Date Collected: 03/28/14 11:20

Date Received: 03/28/14 15:34

Lab Sample ID: 500-74118-4

Matrix: Solid

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 13:45	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 18:19	WDS	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-13B-140328

Lab Sample ID: 500-74118-4

Date Collected: 03/28/14 11:20

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:34	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-13A-140328D

Lab Sample ID: 500-74118-5

Date Collected: 03/28/14 11:15

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 14:07	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 18:42	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:38	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-14A-140327

Lab Sample ID: 500-74118-6

Date Collected: 03/27/14 15:30

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 15:16	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 19:05	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:43	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-14B-140327

Lab Sample ID: 500-74118-7

Date Collected: 03/27/14 16:00

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229289	03/27/14 16:00	WRE	TAL CHI
Total/NA	Analysis	8260B		100	230080	04/04/14 19:51	BDA	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 19:27	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:48	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Client Sample ID: GP-15A-140327

Lab Sample ID: 500-74118-8

Date Collected: 03/27/14 11:50

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229427	03/29/14 07:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	229355	03/31/14 16:34	DJD	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229527	04/01/14 19:49	WDS	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 20:53	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: GP-15B-140327

Lab Sample ID: 500-74118-9

Date Collected: 03/27/14 12:10

Matrix: Solid

Date Received: 03/28/14 15:34

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229289	03/27/14 12:10	WRE	TAL CHI
Total/NA	Analysis	8260B		200	230080	04/04/14 20:16	BDA	TAL CHI
Total/NA	Prep	3541			229335	03/31/14 07:21	STW	TAL CHI
Total/NA	Analysis	8270D		1	229708	04/02/14 19:11	PMF	TAL CHI
Total/NA	Prep	3050B			229495	03/31/14 16:30	LA1	TAL CHI
Total/NA	Analysis	6010B		1	229692	04/01/14 21:22	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	229379	03/31/14 10:02	LWN	TAL CHI

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-74118-10

Date Collected: 03/27/14 00:00

Matrix: Water

Date Received: 03/28/14 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	230079	04/04/14 17:21	BDA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74118-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,3-Dichloropropene, Total
8260B		Water	1,3-Dichloropropene, Total
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Chicago

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THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.1



500-74118 COC

Report To (optional)

Contact: Chris Albrecht
Company: CDM Smith
Address: 125 S. Walker Dr
Address: Suite 600
Phone: 312-346-5000
Fax:
E-Mail: Albrechtca@CDM.com

Bill To (optional)

Contact:
Company:
Address:
Address:
Phone:
Fax:
PO# / Reference#

Chain of Custody Record

Lab Job #: 500-74118

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.9

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>CDM Smith</u>				<u>1, 6, 8, 7</u>							
Project Name											
<u>Wedron, IL</u>											
Project Location/State		Lab Project #									
<u>Wedron, IL</u>		<u>50008057</u>									
Sampler		Lab PM									
<u>C. Cox</u>		<u>Bonnie Stadelman</u>									
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers		Matrix			
		Date	Time								
1		GP-12A-140327	03/27/14 0840	5	50						
2		GP-12B-140327	03/27/14 0855								
3		GP-13A-140328	03/28/14 1110								
4		GP-13B-140328	03/28/14 1120								
5		GP-13A-140328D	03/28/14 1115								
6		GP-14A-140327	03/27/14 1530								
7		GP-14B-140327	03/27/14 1600								
8	X	GP-15A-140327	03/27/14 1150								
9		GP-15B-140327	03/27/14 1210								
10		TRIP BLANK		2	W	X					

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Chris Cox</u>	Company <u>CDM Smith</u>	Date <u>03/28/14</u>	Time <u>1534</u>	Received By <u>Chris Cox</u>	Company <u>TA</u>	Date <u>3/28</u>	Time <u>1534</u>	Lab Courier <u>TA</u>
Relinquished By <u>Chris Cox</u>	Company <u>TA</u>	Date <u>3/28</u>	Time <u>1700</u>	Received By <u>Chris Cox</u>	Company <u>TA</u>	Date <u>3/29/14</u>	Time <u>0600</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

Matrix Key

WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

Buckley, Paula

From: Stadelmann, Bonnie
Sent: Monday, March 31, 2014 1:30 PM
To: Buckley, Paula
Subject: FW: Sample Login Confirmation for 500-74118, 3450 E 2056th Wedron IL

From: Cox, Catherine [mailto:CoxCA@cdmsmith.com]
Sent: Monday, March 31, 2014 11:40 AM
To: Stadelmann, Bonnie; Albrecht, Chris; Grabs, John
Subject: RE: Sample Login Confirmation for 500-74118, 3450 E 2056th Wedron IL

Hi Bonnie,

Looks like I got it wrong on the COC. We would like the samples run for VOCs.
And yes: 101127-OP.TEST

Thank you!
Katie

From: Stadelmann, Bonnie [mailto:bonnie.stadelmann@testamericainc.com]
Sent: Monday, March 31, 2014 10:32 AM
To: Albrecht, Chris; Cox, Catherine; Grabs, John
Subject: Sample Login Confirmation for 500-74118, 3450 E 2056th Wedron IL

Hello,

Please confirm that BTEX and not full List VOCs are required for these samples (the trip blank lists VOCs).

Do we reference PO 101127-OP.TEST?

Thanks,
Bonnie

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: [Project Feedback](#)

BONNIE M STADELMANN
Senior Project Manager

TestAmerica Chicago
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 708.534.5200
www.testamericainc.com

Reference: [177104]
Attachments: 2

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 500-74118-1

Login Number: 74118

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.9
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CDM Smith 2014 GW DATA

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-74912-1

Client Project/Site: 3450 E 2056th Wedron IL

For:

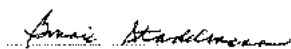
CDM Smith, Inc.

125 South Wacker Drive

Suite 600

Chicago, Illinois 60606

Attn: Chris Albrecht



Authorized for release by:

4/22/2014 2:03:18 PM

Bonnie Stadelmann, Senior Project Manager

(708)534-5200

bonnie.stadelmann@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Job ID: 500-74912-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-74912-1

Comments

No additional comments.

Receipt

The samples were received on 4/10/2014 11:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

GC/MS VOA

Method(s) 8260B: The following samples were diluted due to the abundance of non-target and/or target analytes: GW-MW14-140409 (500-74912-3), GW-MW15-140409 (500-74912-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike duplicate was analyzed 4 minutes past the 12 hour tune time. All spike recoveries were within limits therefore no corrective action was taken.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270D: The following sample contained one base surrogate outside acceptance limits: FB-MW12-140409 (500-74912-7). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW12-140409

Lab Sample ID: 500-74912-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011		0.0050	0.0013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0079		0.00050	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.00032	J	0.00050	0.00011	mg/L	1		8260B	Total/NA
Xylenes, Total	0.022		0.0010	0.000068	mg/L	1		8260B	Total/NA
2-Methylnaphthalene	0.00088		0.00040	0.000067	mg/L	1		8270D	Total/NA
Naphthalene	0.0018		0.00080	0.00012	mg/L	1		8270D	Total/NA
Lead	0.0067		0.0050	0.0023	mg/L	1		6010B	Total/NA

Client Sample ID: GW-MW13-140409

Lab Sample ID: 500-74912-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0077		0.0050	0.0013	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.00067	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
1,2-Dichloroethane	0.00085	J	0.0010	0.00028	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00036	J	0.00050	0.00013	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0013		0.0010	0.000068	mg/L	1		8260B	Total/NA
Lead	0.020		0.0050	0.0023	mg/L	1		6010B	Total/NA

Client Sample ID: GW-MW14-140409

Lab Sample ID: 500-74912-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.041		0.0050	0.0013	mg/L	1		8260B	Total/NA
Benzene	0.0043		0.00050	0.000074	mg/L	1		8260B	Total/NA
Carbon disulfide	0.0010	J	0.0050	0.00043	mg/L	1		8260B	Total/NA
Ethylbenzene	0.041		0.00050	0.00013	mg/L	1		8260B	Total/NA
Methyl Ethyl Ketone	0.025		0.0050	0.0015	mg/L	1		8260B	Total/NA
Toluene	0.061		0.00050	0.00011	mg/L	1		8260B	Total/NA
Xylenes, Total - DL	0.33		0.0020	0.00014	mg/L	2		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.011		0.0078	0.0018	mg/L	1		8270D	Total/NA
2,4-Dimethylphenol	0.0067	J	0.0078	0.0015	mg/L	1		8270D	Total/NA
2-Methylnaphthalene	0.0050		0.00039	0.000066	mg/L	1		8270D	Total/NA
3 & 4 Methylphenol	0.0011	J	0.0016	0.00018	mg/L	1		8270D	Total/NA
Naphthalene	0.016		0.00078	0.00012	mg/L	1		8270D	Total/NA
Lead	0.030		0.0050	0.0023	mg/L	1		6010B	Total/NA

Client Sample ID: GW-MW15-140409

Lab Sample ID: 500-74912-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.027		0.0010	0.00015	mg/L	2		8260B	Total/NA
Toluene	0.049		0.0010	0.00022	mg/L	2		8260B	Total/NA
Ethylbenzene - DL	2.1		0.010	0.0026	mg/L	20		8260B	Total/NA
Xylenes, Total - DL	3.2		0.020	0.0014	mg/L	20		8260B	Total/NA
2,4-Dimethylphenol	0.0085		0.0084	0.0016	mg/L	1		8270D	Total/NA
Fluorene	0.00041	J	0.00084	0.00014	mg/L	1		8270D	Total/NA
2-Methylnaphthalene	0.032		0.00042	0.000071	mg/L	1		8270D	Total/NA
Phenanthrene	0.00039	J	0.00084	0.00018	mg/L	1		8270D	Total/NA
Naphthalene - DL	0.15		0.0042	0.00065	mg/L	5		8270D	Total/NA
Lead	0.0026	J	0.0050	0.0023	mg/L	1		6010B	Total/NA

Client Sample ID: GW-MW14-140409D

Lab Sample ID: 500-74912-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409D (Continued)

Lab Sample ID: 500-74912-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.034		0.0050	0.0013	mg/L	1		8260B	Total/NA
Benzene	0.0042		0.00050	0.000074	mg/L	1		8260B	Total/NA
Carbon disulfide	0.00082	J	0.0050	0.00043	mg/L	1		8260B	Total/NA
Ethylbenzene	0.042		0.00050	0.00013	mg/L	1		8260B	Total/NA
Methyl Ethyl Ketone	0.017		0.0050	0.0015	mg/L	1		8260B	Total/NA
Toluene	0.060		0.00050	0.00011	mg/L	1		8260B	Total/NA
Xylenes, Total - DL	0.36		0.0020	0.00014	mg/L	2		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.023		0.0083	0.0019	mg/L	1		8270D	Total/NA
2,4-Dimethylphenol	0.0075	J	0.0083	0.0016	mg/L	1		8270D	Total/NA
2-Methylnaphthalene	0.0059		0.00042	0.000070	mg/L	1		8270D	Total/NA
Naphthalene	0.018		0.00083	0.00013	mg/L	1		8270D	Total/NA
Lead	0.027		0.0050	0.0023	mg/L	1		6010B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-74912-6

No Detections.

Client Sample ID: FB-MW12-140409

Lab Sample ID: 500-74912-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.00069	J	0.0040	0.00065	mg/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-74912-1	GW-MW12-140409	Water	04/09/14 10:55	04/10/14 11:35
500-74912-2	GW-MW13-140409	Water	04/09/14 13:50	04/10/14 11:35
500-74912-3	GW-MW14-140409	Water	04/09/14 12:00	04/10/14 11:35
500-74912-4	GW-MW15-140409	Water	04/09/14 09:20	04/10/14 11:35
500-74912-5	GW-MW14-140409D	Water	04/09/14 12:00	04/10/14 11:35
500-74912-6	Trip Blank	Water	04/09/14 00:00	04/10/14 11:35
500-74912-7	FB-MW12-140409	Water	04/09/14 10:00	04/10/14 11:35

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW12-140409

Lab Sample ID: 500-74912-1

Date Collected: 04/09/14 10:55

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011		0.0050	0.0013	mg/L			04/15/14 04:28	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/15/14 04:28	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/15/14 04:28	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:28	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/15/14 04:28	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/15/14 04:28	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/15/14 04:28	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/15/14 04:28	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/15/14 04:28	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:28	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:28	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/15/14 04:28	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:28	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/15/14 04:28	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/15/14 04:28	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:28	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/15/14 04:28	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:28	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:28	1
Ethylbenzene	0.0079		0.00050	0.00013	mg/L			04/15/14 04:28	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/15/14 04:28	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/15/14 04:28	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/15/14 04:28	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/15/14 04:28	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/15/14 04:28	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/15/14 04:28	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/15/14 04:28	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/15/14 04:28	1
Toluene	0.00032 J		0.00050	0.00011	mg/L			04/15/14 04:28	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/15/14 04:28	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/15/14 04:28	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:28	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:28	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/15/14 04:28	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/15/14 04:28	1
Xylenes, Total	0.022		0.0010	0.000068	mg/L			04/15/14 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 120		04/15/14 04:28	1
Dibromofluoromethane	92		75 - 120		04/15/14 04:28	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 125		04/15/14 04:28	1
Toluene-d8 (Surr)	96		75 - 120		04/15/14 04:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00080		0.00080	0.000098	mg/L		04/11/14 09:56	04/16/14 16:41	1
Acenaphthylene	<0.00080		0.00080	0.00011	mg/L		04/11/14 09:56	04/16/14 16:41	1
Anthracene	<0.00080		0.00080	0.00015	mg/L		04/11/14 09:56	04/16/14 16:41	1
Benzo[a]anthracene	<0.00013		0.00013	0.000052	mg/L		04/11/14 09:56	04/16/14 16:41	1
Benzo[a]pyrene	<0.00016		0.00016	0.000060	mg/L		04/11/14 09:56	04/16/14 16:41	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW12-140409

Lab Sample ID: 500-74912-1

Date Collected: 04/09/14 10:55

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.00016		0.00016	0.000065	mg/L		04/11/14 09:56	04/16/14 16:41	1
Benzo[g,h,i]perylene	<0.00080		0.00080	0.00039	mg/L		04/11/14 09:56	04/16/14 16:41	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.00013	mg/L		04/11/14 09:56	04/16/14 16:41	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 16:41	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 16:41	1
Bis(2-ethylhexyl) phthalate	<0.0080		0.0080	0.0018	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Bromophenyl phenyl ether	<0.0040		0.0040	0.00042	mg/L		04/11/14 09:56	04/16/14 16:41	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00021	mg/L		04/11/14 09:56	04/16/14 16:41	1
Carbazole	<0.0040		0.0040	0.00052	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Chloroaniline	<0.0080		0.0080	0.0018	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Chloro-3-methylphenol	<0.0080		0.0080	0.0011	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Chloronaphthalene	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Chlorophenol	<0.0040		0.0040	0.00051	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Chlorophenyl phenyl ether	<0.0040		0.0040	0.00055	mg/L		04/11/14 09:56	04/16/14 16:41	1
Chrysene	<0.00040		0.00040	0.000075	mg/L		04/11/14 09:56	04/16/14 16:41	1
Dibenz(a,h)anthracene	<0.00024		0.00024	0.000091	mg/L		04/11/14 09:56	04/16/14 16:41	1
Dibenzofuran	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 16:41	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00011	mg/L		04/11/14 09:56	04/16/14 16:41	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 16:41	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00059	mg/L		04/11/14 09:56	04/16/14 16:41	1
3,3'-Dichlorobenzidine	<0.0040		0.0040	0.00052	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4-Dichlorophenol	<0.0080		0.0080	0.00095	mg/L		04/11/14 09:56	04/16/14 16:41	1
Diethyl phthalate	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4-Dimethylphenol	<0.0080		0.0080	0.0015	mg/L		04/11/14 09:56	04/16/14 16:41	1
Dimethyl phthalate	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 16:41	1
Di-n-butyl phthalate	<0.0040		0.0040	0.00065	mg/L		04/11/14 09:56	04/16/14 16:41	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4-Dinitrophenol	<0.016		0.016	0.00084	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4-Dinitrotoluene	<0.00080		0.00080	0.00016	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,6-Dinitrotoluene	<0.00040		0.00040	0.000079	mg/L		04/11/14 09:56	04/16/14 16:41	1
Di-n-octyl phthalate	<0.0080		0.0080	0.0013	mg/L		04/11/14 09:56	04/16/14 16:41	1
Fluoranthene	<0.00080		0.00080	0.00016	mg/L		04/11/14 09:56	04/16/14 16:41	1
Fluorene	<0.00080		0.00080	0.00013	mg/L		04/11/14 09:56	04/16/14 16:41	1
Hexachlorobenzene	<0.00040		0.00040	0.000084	mg/L		04/11/14 09:56	04/16/14 16:41	1
Hexachlorobutadiene	<0.0040		0.0040	0.00060	mg/L		04/11/14 09:56	04/16/14 16:41	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0015	mg/L		04/11/14 09:56	04/16/14 16:41	1
Hexachloroethane	<0.0040		0.0040	0.00045	mg/L		04/11/14 09:56	04/16/14 16:41	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000061	mg/L		04/11/14 09:56	04/16/14 16:41	1
Isophorone	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Methylnaphthalene	0.00088		0.00040	0.000067	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Methylphenol	<0.0016		0.0016	0.00022	mg/L		04/11/14 09:56	04/16/14 16:41	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00019	mg/L		04/11/14 09:56	04/16/14 16:41	1
Naphthalene	0.0018		0.00080	0.00012	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Nitroaniline	<0.0040		0.0040	0.00092	mg/L		04/11/14 09:56	04/16/14 16:41	1
3-Nitroaniline	<0.0080		0.0080	0.00091	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Nitroaniline	<0.0080		0.0080	0.0021	mg/L		04/11/14 09:56	04/16/14 16:41	1
Nitrobenzene	<0.00080		0.00080	0.00017	mg/L		04/11/14 09:56	04/16/14 16:41	1
2-Nitrophenol	<0.0080		0.0080	0.0011	mg/L		04/11/14 09:56	04/16/14 16:41	1
4-Nitrophenol	<0.016		0.016	0.0018	mg/L		04/11/14 09:56	04/16/14 16:41	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW12-140409

Lab Sample ID: 500-74912-1

Date Collected: 04/09/14 10:55

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.00040		0.00040	0.00019	mg/L		04/11/14 09:56	04/16/14 16:41	1
N-Nitrosodiphenylamine	<0.00080		0.00080	0.00015	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/16/14 16:41	1
Pentachlorophenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 16:41	1
Phenanthrene	<0.00080		0.00080	0.00017	mg/L		04/11/14 09:56	04/16/14 16:41	1
Phenol	<0.0040		0.0040	0.00051	mg/L		04/11/14 09:56	04/16/14 16:41	1
Pyrene	<0.00080		0.00080	0.00018	mg/L		04/11/14 09:56	04/16/14 16:41	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4,5-Trichlorophenol	<0.0080		0.0080	0.0014	mg/L		04/11/14 09:56	04/16/14 16:41	1
2,4,6-Trichlorophenol	<0.0040		0.0040	0.00053	mg/L		04/11/14 09:56	04/16/14 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		41 - 132	04/11/14 09:56	04/16/14 16:41	1
2-Fluorophenol	71		32 - 110	04/11/14 09:56	04/16/14 16:41	1
Nitrobenzene-d5	74		47 - 134	04/11/14 09:56	04/16/14 16:41	1
Phenol-d5	51		25 - 100	04/11/14 09:56	04/16/14 16:41	1
Terphenyl-d14	97		59 - 150	04/11/14 09:56	04/16/14 16:41	1
2,4,6-Tribromophenol	84		53 - 150	04/11/14 09:56	04/16/14 16:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0067		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:14	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW13-140409

Lab Sample ID: 500-74912-2

Date Collected: 04/09/14 13:50

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0077		0.0050	0.0013	mg/L			04/13/14 14:45	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/13/14 14:45	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/13/14 14:45	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/13/14 14:45	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/13/14 14:45	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/13/14 14:45	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/13/14 14:45	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/13/14 14:45	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/13/14 14:45	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/13/14 14:45	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/13/14 14:45	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/13/14 14:45	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/13/14 14:45	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/13/14 14:45	1
1,1-Dichloroethane	0.00067	J	0.0010	0.00019	mg/L			04/13/14 14:45	1
1,2-Dichloroethane	0.00085	J	0.0010	0.00028	mg/L			04/13/14 14:45	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/13/14 14:45	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/13/14 14:45	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/13/14 14:45	1
Ethylbenzene	0.00036	J	0.00050	0.00013	mg/L			04/13/14 14:45	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/13/14 14:45	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/13/14 14:45	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/13/14 14:45	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/13/14 14:45	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/13/14 14:45	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/13/14 14:45	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/13/14 14:45	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/13/14 14:45	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/13/14 14:45	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/13/14 14:45	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/13/14 14:45	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/13/14 14:45	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 14:45	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/13/14 14:45	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/13/14 14:45	1
Xylenes, Total	0.0013		0.0010	0.000068	mg/L			04/13/14 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120		04/13/14 14:45	1
Dibromofluoromethane	92		75 - 120		04/13/14 14:45	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 125		04/13/14 14:45	1
Toluene-d8 (Surr)	96		75 - 120		04/13/14 14:45	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00083		0.00083	0.00010	mg/L		04/11/14 09:56	04/16/14 17:04	1
Acenaphthylene	<0.00083		0.00083	0.00011	mg/L		04/11/14 09:56	04/16/14 17:04	1
Anthracene	<0.00083		0.00083	0.00015	mg/L		04/11/14 09:56	04/16/14 17:04	1
Benzo[a]anthracene	<0.00013		0.00013	0.000054	mg/L		04/11/14 09:56	04/16/14 17:04	1
Benzo[a]pyrene	<0.00017		0.00017	0.000062	mg/L		04/11/14 09:56	04/16/14 17:04	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW13-140409

Lab Sample ID: 500-74912-2

Date Collected: 04/09/14 13:50

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.00017		0.00017	0.000067	mg/L		04/11/14 09:56	04/16/14 17:04	1
Benzo[g,h,i]perylene	<0.00083		0.00083	0.00040	mg/L		04/11/14 09:56	04/16/14 17:04	1
Benzo[k]fluoranthene	<0.00017		0.00017	0.00014	mg/L		04/11/14 09:56	04/16/14 17:04	1
Bis(2-chloroethoxy)methane	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 17:04	1
Bis(2-chloroethyl)ether	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 17:04	1
Bis(2-ethylhexyl) phthalate	<0.0083		0.0083	0.0019	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Bromophenyl phenyl ether	<0.0041		0.0041	0.00043	mg/L		04/11/14 09:56	04/16/14 17:04	1
Butyl benzyl phthalate	<0.0017		0.0017	0.00022	mg/L		04/11/14 09:56	04/16/14 17:04	1
Carbazole	<0.0041		0.0041	0.00054	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Chloroaniline	<0.0083		0.0083	0.0018	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Chloro-3-methylphenol	<0.0083		0.0083	0.0011	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Chloronaphthalene	<0.0017		0.0017	0.00013	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Chlorophenol	<0.0041		0.0041	0.00052	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Chlorophenyl phenyl ether	<0.0041		0.0041	0.00057	mg/L		04/11/14 09:56	04/16/14 17:04	1
Chrysene	<0.00041		0.00041	0.000077	mg/L		04/11/14 09:56	04/16/14 17:04	1
Dibenz(a,h)anthracene	<0.00025		0.00025	0.000094	mg/L		04/11/14 09:56	04/16/14 17:04	1
Dibenzofuran	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 17:04	1
1,2-Dichlorobenzene	<0.0017		0.0017	0.00011	mg/L		04/11/14 09:56	04/16/14 17:04	1
1,3-Dichlorobenzene	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 17:04	1
1,4-Dichlorobenzene	<0.0017		0.0017	0.00061	mg/L		04/11/14 09:56	04/16/14 17:04	1
3,3'-Dichlorobenzidine	<0.0041		0.0041	0.00054	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4-Dichlorophenol	<0.0083		0.0083	0.00098	mg/L		04/11/14 09:56	04/16/14 17:04	1
Diethyl phthalate	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4-Dimethylphenol	<0.0083		0.0083	0.0016	mg/L		04/11/14 09:56	04/16/14 17:04	1
Dimethyl phthalate	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 17:04	1
Di-n-butyl phthalate	<0.0041		0.0041	0.00068	mg/L		04/11/14 09:56	04/16/14 17:04	1
4,6-Dinitro-2-methylphenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4-Dinitrophenol	<0.017		0.017	0.00087	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4-Dinitrotoluene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,6-Dinitrotoluene	<0.00041		0.00041	0.000081	mg/L		04/11/14 09:56	04/16/14 17:04	1
Di-n-octyl phthalate	<0.0083		0.0083	0.0014	mg/L		04/11/14 09:56	04/16/14 17:04	1
Fluoranthene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 17:04	1
Fluorene	<0.00083		0.00083	0.00014	mg/L		04/11/14 09:56	04/16/14 17:04	1
Hexachlorobenzene	<0.00041		0.00041	0.000087	mg/L		04/11/14 09:56	04/16/14 17:04	1
Hexachlorobutadiene	<0.0041		0.0041	0.00062	mg/L		04/11/14 09:56	04/16/14 17:04	1
Hexachlorocyclopentadiene	<0.017		0.017	0.0016	mg/L		04/11/14 09:56	04/16/14 17:04	1
Hexachloroethane	<0.0041		0.0041	0.00046	mg/L		04/11/14 09:56	04/16/14 17:04	1
Indeno[1,2,3-cd]pyrene	<0.00017		0.00017	0.000063	mg/L		04/11/14 09:56	04/16/14 17:04	1
Isophorone	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Methylnaphthalene	<0.00041		0.00041	0.000070	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Methylphenol	<0.0017		0.0017	0.00023	mg/L		04/11/14 09:56	04/16/14 17:04	1
3 & 4 Methylphenol	<0.0017		0.0017	0.00019	mg/L		04/11/14 09:56	04/16/14 17:04	1
Naphthalene	<0.00083		0.00083	0.00013	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Nitroaniline	<0.0041		0.0041	0.00095	mg/L		04/11/14 09:56	04/16/14 17:04	1
3-Nitroaniline	<0.0083		0.0083	0.00094	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Nitroaniline	<0.0083		0.0083	0.0022	mg/L		04/11/14 09:56	04/16/14 17:04	1
Nitrobenzene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 17:04	1
2-Nitrophenol	<0.0083		0.0083	0.0012	mg/L		04/11/14 09:56	04/16/14 17:04	1
4-Nitrophenol	<0.017		0.017	0.0019	mg/L		04/11/14 09:56	04/16/14 17:04	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW13-140409

Lab Sample ID: 500-74912-2

Date Collected: 04/09/14 13:50

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.00041		0.00041	0.00020	mg/L		04/11/14 09:56	04/16/14 17:04	1
N-Nitrosodiphenylamine	<0.00083		0.00083	0.00015	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,2'-oxybis[1-chloropropane]	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 17:04	1
Pentachlorophenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 17:04	1
Phenanthrene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 17:04	1
Phenol	<0.0041		0.0041	0.00052	mg/L		04/11/14 09:56	04/16/14 17:04	1
Pyrene	<0.00083		0.00083	0.00019	mg/L		04/11/14 09:56	04/16/14 17:04	1
1,2,4-Trichlorobenzene	<0.0017		0.0017	0.00016	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4,5-Trichlorophenol	<0.0083		0.0083	0.0015	mg/L		04/11/14 09:56	04/16/14 17:04	1
2,4,6-Trichlorophenol	<0.0041		0.0041	0.00055	mg/L		04/11/14 09:56	04/16/14 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		41 - 132	04/11/14 09:56	04/16/14 17:04	1
2-Fluorophenol	64		32 - 110	04/11/14 09:56	04/16/14 17:04	1
Nitrobenzene-d5	78		47 - 134	04/11/14 09:56	04/16/14 17:04	1
Phenol-d5	45		25 - 100	04/11/14 09:56	04/16/14 17:04	1
Terphenyl-d14	84		59 - 150	04/11/14 09:56	04/16/14 17:04	1
2,4,6-Tribromophenol	77		53 - 150	04/11/14 09:56	04/16/14 17:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.020		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:18	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409

Lab Sample ID: 500-74912-3

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.041		0.0050	0.0013	mg/L			04/15/14 04:56	1
Benzene	0.0043		0.00050	0.000074	mg/L			04/15/14 04:56	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/15/14 04:56	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:56	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/15/14 04:56	1
Carbon disulfide	0.0010	J	0.0050	0.00043	mg/L			04/15/14 04:56	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/15/14 04:56	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/15/14 04:56	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/15/14 04:56	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:56	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:56	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/15/14 04:56	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:56	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/15/14 04:56	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/15/14 04:56	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:56	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/15/14 04:56	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:56	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/15/14 04:56	1
Ethylbenzene	0.041		0.00050	0.00013	mg/L			04/15/14 04:56	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/15/14 04:56	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/15/14 04:56	1
Methyl Ethyl Ketone	0.025		0.0050	0.0015	mg/L			04/15/14 04:56	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/15/14 04:56	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/15/14 04:56	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/15/14 04:56	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/15/14 04:56	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/15/14 04:56	1
Toluene	0.061		0.00050	0.00011	mg/L			04/15/14 04:56	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/15/14 04:56	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/15/14 04:56	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/15/14 04:56	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 04:56	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/15/14 04:56	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/15/14 04:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120					04/15/14 04:56	1
Dibromofluoromethane	91		75 - 120					04/15/14 04:56	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 125					04/15/14 04:56	1
Toluene-d8 (Surr)	94		75 - 120					04/15/14 04:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.33		0.0020	0.00014	mg/L			04/13/14 15:12	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00078		0.00078	0.000096	mg/L		04/11/14 09:56	04/16/14 18:16	1
Acenaphthylene	<0.00078		0.00078	0.00010	mg/L		04/11/14 09:56	04/16/14 18:16	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409

Lab Sample ID: 500-74912-3

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.00078		0.00078	0.00014	mg/L		04/11/14 09:56	04/16/14 18:16	1
Benzo[a]anthracene	<0.00013		0.00013	0.000051	mg/L		04/11/14 09:56	04/16/14 18:16	1
Benzo[a]pyrene	<0.00016		0.00016	0.000059	mg/L		04/11/14 09:56	04/16/14 18:16	1
Benzo[b]fluoranthene	<0.00016		0.00016	0.000063	mg/L		04/11/14 09:56	04/16/14 18:16	1
Benzo[g,h,i]perylene	<0.00078		0.00078	0.00038	mg/L		04/11/14 09:56	04/16/14 18:16	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.00013	mg/L		04/11/14 09:56	04/16/14 18:16	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 18:16	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 18:16	1
Bis(2-ethylhexyl) phthalate	0.011		0.0078	0.0018	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Bromophenyl phenyl ether	<0.0039		0.0039	0.00041	mg/L		04/11/14 09:56	04/16/14 18:16	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00021	mg/L		04/11/14 09:56	04/16/14 18:16	1
Carbazole	<0.0039		0.0039	0.00051	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Chloroaniline	<0.0078		0.0078	0.0017	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Chloro-3-methylphenol	<0.0078		0.0078	0.0011	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Chloronaphthalene	<0.0016		0.0016	0.00012	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Chlorophenol	<0.0039		0.0039	0.00049	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Chlorophenyl phenyl ether	<0.0039		0.0039	0.00054	mg/L		04/11/14 09:56	04/16/14 18:16	1
Chrysene	<0.00039		0.00039	0.000073	mg/L		04/11/14 09:56	04/16/14 18:16	1
Dibenz(a,h)anthracene	<0.00023		0.00023	0.000088	mg/L		04/11/14 09:56	04/16/14 18:16	1
Dibenzofuran	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 18:16	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00011	mg/L		04/11/14 09:56	04/16/14 18:16	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 18:16	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00057	mg/L		04/11/14 09:56	04/16/14 18:16	1
3,3'-Dichlorobenzidine	<0.0039		0.0039	0.00051	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4-Dichlorophenol	<0.0078		0.0078	0.00093	mg/L		04/11/14 09:56	04/16/14 18:16	1
Diethyl phthalate	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4-Dimethylphenol	0.0067 J		0.0078	0.0015	mg/L		04/11/14 09:56	04/16/14 18:16	1
Dimethyl phthalate	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 18:16	1
Di-n-butyl phthalate	<0.0039		0.0039	0.00064	mg/L		04/11/14 09:56	04/16/14 18:16	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4-Dinitrophenol	<0.016		0.016	0.00082	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4-Dinitrotoluene	<0.00078		0.00078	0.00016	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,6-Dinitrotoluene	<0.00039		0.00039	0.000076	mg/L		04/11/14 09:56	04/16/14 18:16	1
Di-n-octyl phthalate	<0.0078		0.0078	0.0013	mg/L		04/11/14 09:56	04/16/14 18:16	1
Fluoranthene	<0.00078		0.00078	0.00016	mg/L		04/11/14 09:56	04/16/14 18:16	1
Fluorene	<0.00078		0.00078	0.00013	mg/L		04/11/14 09:56	04/16/14 18:16	1
Hexachlorobenzene	<0.00039		0.00039	0.000082	mg/L		04/11/14 09:56	04/16/14 18:16	1
Hexachlorobutadiene	<0.0039		0.0039	0.00059	mg/L		04/11/14 09:56	04/16/14 18:16	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0015	mg/L		04/11/14 09:56	04/16/14 18:16	1
Hexachloroethane	<0.0039		0.0039	0.00043	mg/L		04/11/14 09:56	04/16/14 18:16	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000060	mg/L		04/11/14 09:56	04/16/14 18:16	1
Isophorone	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Methylnaphthalene	0.0050		0.00039	0.000066	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Methylphenol	<0.0016		0.0016	0.00021	mg/L		04/11/14 09:56	04/16/14 18:16	1
3 & 4 Methylphenol	0.0011 J		0.0016	0.00018	mg/L		04/11/14 09:56	04/16/14 18:16	1
Naphthalene	0.016		0.00078	0.00012	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Nitroaniline	<0.0039		0.0039	0.00090	mg/L		04/11/14 09:56	04/16/14 18:16	1
3-Nitroaniline	<0.0078		0.0078	0.00088	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Nitroaniline	<0.0078		0.0078	0.0020	mg/L		04/11/14 09:56	04/16/14 18:16	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409

Lab Sample ID: 500-74912-3

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<0.00078		0.00078	0.00016	mg/L		04/11/14 09:56	04/16/14 18:16	1
2-Nitrophenol	<0.0078		0.0078	0.0011	mg/L		04/11/14 09:56	04/16/14 18:16	1
4-Nitrophenol	<0.016		0.016	0.0018	mg/L		04/11/14 09:56	04/16/14 18:16	1
N-Nitrosodi-n-propylamine	<0.00039		0.00039	0.00019	mg/L		04/11/14 09:56	04/16/14 18:16	1
N-Nitrosodiphenylamine	<0.00078		0.00078	0.00014	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 18:16	1
Pentachlorophenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 18:16	1
Phenanthrene	<0.00078		0.00078	0.00016	mg/L		04/11/14 09:56	04/16/14 18:16	1
Phenol	<0.0039		0.0039	0.00049	mg/L		04/11/14 09:56	04/16/14 18:16	1
Pyrene	<0.00078		0.00078	0.00018	mg/L		04/11/14 09:56	04/16/14 18:16	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4,5-Trichlorophenol	<0.0078		0.0078	0.0014	mg/L		04/11/14 09:56	04/16/14 18:16	1
2,4,6-Trichlorophenol	<0.0039		0.0039	0.00052	mg/L		04/11/14 09:56	04/16/14 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		41 - 132	04/11/14 09:56	04/16/14 18:16	1
2-Fluorophenol	52		32 - 110	04/11/14 09:56	04/16/14 18:16	1
Nitrobenzene-d5	64		47 - 134	04/11/14 09:56	04/16/14 18:16	1
Phenol-d5	36		25 - 100	04/11/14 09:56	04/16/14 18:16	1
Terphenyl-d14	72		59 - 150	04/11/14 09:56	04/16/14 18:16	1
2,4,6-Tribromophenol	82		53 - 150	04/11/14 09:56	04/16/14 18:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.030		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:46	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW15-140409

Lab Sample ID: 500-74912-4

Date Collected: 04/09/14 09:20

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.010		0.010	0.0026	mg/L			04/13/14 15:40	2
Benzene	0.027		0.0010	0.00015	mg/L			04/13/14 15:40	2
Bromodichloromethane	<0.0020		0.0020	0.00034	mg/L			04/13/14 15:40	2
Bromoform	<0.0020		0.0020	0.00056	mg/L			04/13/14 15:40	2
Bromomethane	<0.0020		0.0020	0.00062	mg/L			04/13/14 15:40	2
Carbon disulfide	<0.010		0.010	0.00086	mg/L			04/13/14 15:40	2
Carbon tetrachloride	<0.0020		0.0020	0.00052	mg/L			04/13/14 15:40	2
Chlorobenzene	<0.0020		0.0020	0.00028	mg/L			04/13/14 15:40	2
Chloroethane	<0.0020		0.0020	0.00068	mg/L			04/13/14 15:40	2
Chloroform	<0.0020		0.0020	0.00040	mg/L			04/13/14 15:40	2
Chloromethane	<0.0020		0.0020	0.00036	mg/L			04/13/14 15:40	2
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00024	mg/L			04/13/14 15:40	2
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00036	mg/L			04/13/14 15:40	2
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/L			04/13/14 15:40	2
1,1-Dichloroethane	<0.0020		0.0020	0.00038	mg/L			04/13/14 15:40	2
1,2-Dichloroethane	<0.0020		0.0020	0.00056	mg/L			04/13/14 15:40	2
1,1-Dichloroethene	<0.0020		0.0020	0.00062	mg/L			04/13/14 15:40	2
1,2-Dichloropropane	<0.0020		0.0020	0.00040	mg/L			04/13/14 15:40	2
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00036	mg/L			04/13/14 15:40	2
2-Hexanone	<0.010		0.010	0.0011	mg/L			04/13/14 15:40	2
Methylene Chloride	<0.010		0.010	0.0014	mg/L			04/13/14 15:40	2
Methyl Ethyl Ketone	<0.010		0.010	0.0029	mg/L			04/13/14 15:40	2
methyl isobutyl ketone	<0.010		0.010	0.00066	mg/L			04/13/14 15:40	2
Methyl tert-butyl ether	<0.0020		0.0020	0.00048	mg/L			04/13/14 15:40	2
Styrene	<0.0020		0.0020	0.00020	mg/L			04/13/14 15:40	2
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00046	mg/L			04/13/14 15:40	2
Tetrachloroethene	<0.0020		0.0020	0.00034	mg/L			04/13/14 15:40	2
Toluene	0.049		0.0010	0.00022	mg/L			04/13/14 15:40	2
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00050	mg/L			04/13/14 15:40	2
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00042	mg/L			04/13/14 15:40	2
1,1,1-Trichloroethane	<0.0020		0.0020	0.00040	mg/L			04/13/14 15:40	2
1,1,2-Trichloroethane	<0.0020		0.0020	0.00056	mg/L			04/13/14 15:40	2
Trichloroethene	<0.0010		0.0010	0.00038	mg/L			04/13/14 15:40	2
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			04/13/14 15:40	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 120		04/13/14 15:40	2
Dibromofluoromethane	90		75 - 120		04/13/14 15:40	2
1,2-Dichloroethane-d4 (Surr)	106		75 - 125		04/13/14 15:40	2
Toluene-d8 (Surr)	96		75 - 120		04/13/14 15:40	2

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	2.1		0.010	0.0026	mg/L			04/13/14 16:07	20
Xylenes, Total	3.2		0.020	0.0014	mg/L			04/13/14 16:07	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120		04/13/14 16:07	20
Dibromofluoromethane	91		75 - 120		04/13/14 16:07	20
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		04/13/14 16:07	20

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW15-140409

Lab Sample ID: 500-74912-4

Date Collected: 04/09/14 09:20

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		75 - 120		04/13/14 16:07	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00084		0.00084	0.00010	mg/L		04/11/14 09:56	04/16/14 18:39	1
Acenaphthylene	<0.00084		0.00084	0.00011	mg/L		04/11/14 09:56	04/16/14 18:39	1
Anthracene	<0.00084		0.00084	0.00016	mg/L		04/11/14 09:56	04/16/14 18:39	1
Benzo[a]anthracene	<0.00014		0.00014	0.000055	mg/L		04/11/14 09:56	04/16/14 18:39	1
Benzo[a]pyrene	<0.00017		0.00017	0.000063	mg/L		04/11/14 09:56	04/16/14 18:39	1
Benzo[b]fluoranthene	<0.00017		0.00017	0.000069	mg/L		04/11/14 09:56	04/16/14 18:39	1
Benzo[g,h,i]perylene	<0.00084		0.00084	0.00040	mg/L		04/11/14 09:56	04/16/14 18:39	1
Benzo[k]fluoranthene	<0.00017		0.00017	0.00014	mg/L		04/11/14 09:56	04/16/14 18:39	1
Bis(2-chloroethoxy)methane	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 18:39	1
Bis(2-chloroethyl)ether	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 18:39	1
Bis(2-ethylhexyl) phthalate	<0.0084		0.0084	0.0019	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Bromophenyl phenyl ether	<0.0042		0.0042	0.00044	mg/L		04/11/14 09:56	04/16/14 18:39	1
Butyl benzyl phthalate	<0.0017		0.0017	0.00022	mg/L		04/11/14 09:56	04/16/14 18:39	1
Carbazole	<0.0042		0.0042	0.00055	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Chloroaniline	<0.0084		0.0084	0.0018	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Chloro-3-methylphenol	<0.0084		0.0084	0.0012	mg/L		04/11/14 09:56	04/16/14 18:39	1
2-Chloronaphthalene	<0.0017		0.0017	0.00013	mg/L		04/11/14 09:56	04/16/14 18:39	1
2-Chlorophenol	<0.0042		0.0042	0.00053	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Chlorophenyl phenyl ether	<0.0042		0.0042	0.00058	mg/L		04/11/14 09:56	04/16/14 18:39	1
Chrysene	<0.00042		0.00042	0.000078	mg/L		04/11/14 09:56	04/16/14 18:39	1
Dibenz(a,h)anthracene	<0.00025		0.00025	0.000095	mg/L		04/11/14 09:56	04/16/14 18:39	1
Dibenzofuran	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 18:39	1
1,2-Dichlorobenzene	<0.0017		0.0017	0.00012	mg/L		04/11/14 09:56	04/16/14 18:39	1
1,3-Dichlorobenzene	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 18:39	1
1,4-Dichlorobenzene	<0.0017		0.0017	0.00062	mg/L		04/11/14 09:56	04/16/14 18:39	1
3,3'-Dichlorobenzidine	<0.0042		0.0042	0.00055	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4-Dichlorophenol	<0.0084		0.0084	0.0010	mg/L		04/11/14 09:56	04/16/14 18:39	1
Diethyl phthalate	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4-Dimethylphenol	0.0085		0.0084	0.0016	mg/L		04/11/14 09:56	04/16/14 18:39	1
Dimethyl phthalate	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 18:39	1
Di-n-butyl phthalate	<0.0042		0.0042	0.00069	mg/L		04/11/14 09:56	04/16/14 18:39	1
4,6-Dinitro-2-methylphenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4-Dinitrophenol	<0.017		0.017	0.00088	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4-Dinitrotoluene	<0.00084		0.00084	0.00017	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,6-Dinitrotoluene	<0.00042		0.00042	0.000083	mg/L		04/11/14 09:56	04/16/14 18:39	1
Di-n-octyl phthalate	<0.0084		0.0084	0.0014	mg/L		04/11/14 09:56	04/16/14 18:39	1
Fluoranthene	<0.00084		0.00084	0.00017	mg/L		04/11/14 09:56	04/16/14 18:39	1
Fluorene	0.00041 J		0.00084	0.00014	mg/L		04/11/14 09:56	04/16/14 18:39	1
Hexachlorobenzene	<0.00042		0.00042	0.000088	mg/L		04/11/14 09:56	04/16/14 18:39	1
Hexachlorobutadiene	<0.0042		0.0042	0.00063	mg/L		04/11/14 09:56	04/16/14 18:39	1
Hexachlorocyclopentadiene	<0.017		0.017	0.0016	mg/L		04/11/14 09:56	04/16/14 18:39	1
Hexachloroethane	<0.0042		0.0042	0.00047	mg/L		04/11/14 09:56	04/16/14 18:39	1
Indeno[1,2,3-cd]pyrene	<0.00017		0.00017	0.000064	mg/L		04/11/14 09:56	04/16/14 18:39	1
Isophorone	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 18:39	1
2-Methylnaphthalene	0.032		0.00042	0.000071	mg/L		04/11/14 09:56	04/16/14 18:39	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW15-140409

Lab Sample ID: 500-74912-4

Date Collected: 04/09/14 09:20

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.0017		0.0017	0.00023	mg/L		04/11/14 09:56	04/16/14 18:39	1
3 & 4 Methylphenol	<0.0017		0.0017	0.00020	mg/L		04/11/14 09:56	04/16/14 18:39	1
2-Nitroaniline	<0.0042		0.0042	0.00097	mg/L		04/11/14 09:56	04/16/14 18:39	1
3-Nitroaniline	<0.0084		0.0084	0.00095	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Nitroaniline	<0.0084		0.0084	0.0022	mg/L		04/11/14 09:56	04/16/14 18:39	1
Nitrobenzene	<0.00084		0.00084	0.00018	mg/L		04/11/14 09:56	04/16/14 18:39	1
2-Nitrophenol	<0.0084		0.0084	0.0012	mg/L		04/11/14 09:56	04/16/14 18:39	1
4-Nitrophenol	<0.017		0.017	0.0019	mg/L		04/11/14 09:56	04/16/14 18:39	1
N-Nitrosodi-n-propylamine	<0.00042		0.00042	0.00020	mg/L		04/11/14 09:56	04/16/14 18:39	1
N-Nitrosodiphenylamine	<0.00084		0.00084	0.00016	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,2'-oxybis[1-chloropropane]	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 18:39	1
Pentachlorophenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 18:39	1
Phenanthrene	0.00039	J	0.00084	0.00018	mg/L		04/11/14 09:56	04/16/14 18:39	1
Phenol	<0.0042		0.0042	0.00053	mg/L		04/11/14 09:56	04/16/14 18:39	1
Pyrene	<0.00084		0.00084	0.00019	mg/L		04/11/14 09:56	04/16/14 18:39	1
1,2,4-Trichlorobenzene	<0.0017		0.0017	0.00016	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4,5-Trichlorophenol	<0.0084		0.0084	0.0015	mg/L		04/11/14 09:56	04/16/14 18:39	1
2,4,6-Trichlorophenol	<0.0042		0.0042	0.00056	mg/L		04/11/14 09:56	04/16/14 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		41 - 132	04/11/14 09:56	04/16/14 18:39	1
2-Fluorophenol	73		32 - 110	04/11/14 09:56	04/16/14 18:39	1
Nitrobenzene-d5	68		47 - 134	04/11/14 09:56	04/16/14 18:39	1
Phenol-d5	54		25 - 100	04/11/14 09:56	04/16/14 18:39	1
Terphenyl-d14	90		59 - 150	04/11/14 09:56	04/16/14 18:39	1
2,4,6-Tribromophenol	80		53 - 150	04/11/14 09:56	04/16/14 18:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.15		0.0042	0.00065	mg/L		04/11/14 09:56	04/17/14 17:54	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0026	J	0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:50	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409D

Lab Sample ID: 500-74912-5

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.034		0.0050	0.0013	mg/L			04/15/14 05:23	1
Benzene	0.0042		0.00050	0.000074	mg/L			04/15/14 05:23	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/15/14 05:23	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/15/14 05:23	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/15/14 05:23	1
Carbon disulfide	0.00082	J	0.0050	0.00043	mg/L			04/15/14 05:23	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/15/14 05:23	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/15/14 05:23	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/15/14 05:23	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/15/14 05:23	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/15/14 05:23	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/15/14 05:23	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/15/14 05:23	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/15/14 05:23	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/15/14 05:23	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 05:23	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/15/14 05:23	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/15/14 05:23	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/15/14 05:23	1
Ethylbenzene	0.042		0.00050	0.00013	mg/L			04/15/14 05:23	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/15/14 05:23	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/15/14 05:23	1
Methyl Ethyl Ketone	0.017		0.0050	0.0015	mg/L			04/15/14 05:23	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/15/14 05:23	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/15/14 05:23	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/15/14 05:23	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/15/14 05:23	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/15/14 05:23	1
Toluene	0.060		0.00050	0.00011	mg/L			04/15/14 05:23	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/15/14 05:23	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/15/14 05:23	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/15/14 05:23	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/15/14 05:23	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/15/14 05:23	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/15/14 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120		04/15/14 05:23	1
Dibromofluoromethane	92		75 - 120		04/15/14 05:23	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 125		04/15/14 05:23	1
Toluene-d8 (Surr)	94		75 - 120		04/15/14 05:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.36		0.0020	0.00014	mg/L			04/13/14 16:34	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00083		0.00083	0.00010	mg/L		04/11/14 09:56	04/16/14 19:03	1
Acenaphthylene	<0.00083		0.00083	0.00011	mg/L		04/11/14 09:56	04/16/14 19:03	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409D

Lab Sample ID: 500-74912-5

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.00083		0.00083	0.00015	mg/L		04/11/14 09:56	04/16/14 19:03	1
Benzo[a]anthracene	<0.00014		0.00014	0.000054	mg/L		04/11/14 09:56	04/16/14 19:03	1
Benzo[a]pyrene	<0.00017		0.00017	0.000063	mg/L		04/11/14 09:56	04/16/14 19:03	1
Benzo[b]fluoranthene	<0.00017		0.00017	0.000068	mg/L		04/11/14 09:56	04/16/14 19:03	1
Benzo[g,h,i]perylene	<0.00083		0.00083	0.00040	mg/L		04/11/14 09:56	04/16/14 19:03	1
Benzo[k]fluoranthene	<0.00017		0.00017	0.00014	mg/L		04/11/14 09:56	04/16/14 19:03	1
Bis(2-chloroethoxy)methane	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 19:03	1
Bis(2-chloroethyl)ether	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 19:03	1
Bis(2-ethylhexyl) phthalate	0.023		0.0083	0.0019	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Bromophenyl phenyl ether	<0.0042		0.0042	0.00043	mg/L		04/11/14 09:56	04/16/14 19:03	1
Butyl benzyl phthalate	<0.0017		0.0017	0.00022	mg/L		04/11/14 09:56	04/16/14 19:03	1
Carbazole	<0.0042		0.0042	0.00054	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Chloroaniline	<0.0083		0.0083	0.0018	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Chloro-3-methylphenol	<0.0083		0.0083	0.0011	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Chloronaphthalene	<0.0017		0.0017	0.00013	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Chlorophenol	<0.0042		0.0042	0.00053	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Chlorophenyl phenyl ether	<0.0042		0.0042	0.00058	mg/L		04/11/14 09:56	04/16/14 19:03	1
Chrysene	<0.00042		0.00042	0.000078	mg/L		04/11/14 09:56	04/16/14 19:03	1
Dibenz(a,h)anthracene	<0.00025		0.00025	0.000095	mg/L		04/11/14 09:56	04/16/14 19:03	1
Dibenzofuran	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 19:03	1
1,2-Dichlorobenzene	<0.0017		0.0017	0.00012	mg/L		04/11/14 09:56	04/16/14 19:03	1
1,3-Dichlorobenzene	<0.0017		0.0017	0.00018	mg/L		04/11/14 09:56	04/16/14 19:03	1
1,4-Dichlorobenzene	<0.0017		0.0017	0.00062	mg/L		04/11/14 09:56	04/16/14 19:03	1
3,3'-Dichlorobenzidine	<0.0042		0.0042	0.00055	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4-Dichlorophenol	<0.0083		0.0083	0.0010	mg/L		04/11/14 09:56	04/16/14 19:03	1
Diethyl phthalate	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4-Dimethylphenol	0.0075 J		0.0083	0.0016	mg/L		04/11/14 09:56	04/16/14 19:03	1
Dimethyl phthalate	<0.0017		0.0017	0.00014	mg/L		04/11/14 09:56	04/16/14 19:03	1
Di-n-butyl phthalate	<0.0042		0.0042	0.00068	mg/L		04/11/14 09:56	04/16/14 19:03	1
4,6-Dinitro-2-methylphenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4-Dinitrophenol	<0.017		0.017	0.00088	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4-Dinitrotoluene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,6-Dinitrotoluene	<0.00042		0.00042	0.000082	mg/L		04/11/14 09:56	04/16/14 19:03	1
Di-n-octyl phthalate	<0.0083		0.0083	0.0014	mg/L		04/11/14 09:56	04/16/14 19:03	1
Fluoranthene	<0.00083		0.00083	0.00017	mg/L		04/11/14 09:56	04/16/14 19:03	1
Fluorene	<0.00083		0.00083	0.00014	mg/L		04/11/14 09:56	04/16/14 19:03	1
Hexachlorobenzene	<0.00042		0.00042	0.000088	mg/L		04/11/14 09:56	04/16/14 19:03	1
Hexachlorobutadiene	<0.0042		0.0042	0.00063	mg/L		04/11/14 09:56	04/16/14 19:03	1
Hexachlorocyclopentadiene	<0.017		0.017	0.0016	mg/L		04/11/14 09:56	04/16/14 19:03	1
Hexachloroethane	<0.0042		0.0042	0.00047	mg/L		04/11/14 09:56	04/16/14 19:03	1
Indeno[1,2,3-cd]pyrene	<0.00017		0.00017	0.000064	mg/L		04/11/14 09:56	04/16/14 19:03	1
Isophorone	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Methylnaphthalene	0.0059		0.00042	0.000070	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Methylphenol	<0.0017		0.0017	0.00023	mg/L		04/11/14 09:56	04/16/14 19:03	1
3 & 4 Methylphenol	<0.0017		0.0017	0.00020	mg/L		04/11/14 09:56	04/16/14 19:03	1
Naphthalene	0.018		0.00083	0.00013	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Nitroaniline	<0.0042		0.0042	0.00096	mg/L		04/11/14 09:56	04/16/14 19:03	1
3-Nitroaniline	<0.0083		0.0083	0.00095	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Nitroaniline	<0.0083		0.0083	0.0022	mg/L		04/11/14 09:56	04/16/14 19:03	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409D

Lab Sample ID: 500-74912-5

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<0.00083		0.00083	0.00018	mg/L		04/11/14 09:56	04/16/14 19:03	1
2-Nitrophenol	<0.0083		0.0083	0.0012	mg/L		04/11/14 09:56	04/16/14 19:03	1
4-Nitrophenol	<0.017		0.017	0.0019	mg/L		04/11/14 09:56	04/16/14 19:03	1
N-Nitrosodi-n-propylamine	<0.00042		0.00042	0.00020	mg/L		04/11/14 09:56	04/16/14 19:03	1
N-Nitrosodiphenylamine	<0.00083		0.00083	0.00015	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,2'-oxybis[1-chloropropane]	<0.0017		0.0017	0.00015	mg/L		04/11/14 09:56	04/16/14 19:03	1
Pentachlorophenol	<0.017		0.017	0.0015	mg/L		04/11/14 09:56	04/16/14 19:03	1
Phenanthrene	<0.00083		0.00083	0.00018	mg/L		04/11/14 09:56	04/16/14 19:03	1
Phenol	<0.0042		0.0042	0.00053	mg/L		04/11/14 09:56	04/16/14 19:03	1
Pyrene	<0.00083		0.00083	0.00019	mg/L		04/11/14 09:56	04/16/14 19:03	1
1,2,4-Trichlorobenzene	<0.0017		0.0017	0.00016	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4,5-Trichlorophenol	<0.0083		0.0083	0.0015	mg/L		04/11/14 09:56	04/16/14 19:03	1
2,4,6-Trichlorophenol	<0.0042		0.0042	0.00056	mg/L		04/11/14 09:56	04/16/14 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		41 - 132	04/11/14 09:56	04/16/14 19:03	1
2-Fluorophenol	72		32 - 110	04/11/14 09:56	04/16/14 19:03	1
Nitrobenzene-d5	79		47 - 134	04/11/14 09:56	04/16/14 19:03	1
Phenol-d5	51		25 - 100	04/11/14 09:56	04/16/14 19:03	1
Terphenyl-d14	77		59 - 150	04/11/14 09:56	04/16/14 19:03	1
2,4,6-Tribromophenol	88		53 - 150	04/11/14 09:56	04/16/14 19:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.027		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:54	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-74912-6

Date Collected: 04/09/14 00:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/13/14 17:02	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/13/14 17:02	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/13/14 17:02	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:02	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/13/14 17:02	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/13/14 17:02	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/13/14 17:02	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/13/14 17:02	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/13/14 17:02	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:02	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:02	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/13/14 17:02	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:02	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/13/14 17:02	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/13/14 17:02	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:02	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/13/14 17:02	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:02	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:02	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/13/14 17:02	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/13/14 17:02	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/13/14 17:02	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/13/14 17:02	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/13/14 17:02	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/13/14 17:02	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/13/14 17:02	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/13/14 17:02	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/13/14 17:02	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/13/14 17:02	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/13/14 17:02	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/13/14 17:02	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:02	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:02	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/13/14 17:02	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/13/14 17:02	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/13/14 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120		04/13/14 17:02	1
Dibromofluoromethane	92		75 - 120		04/13/14 17:02	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 125		04/13/14 17:02	1
Toluene-d8 (Surr)	95		75 - 120		04/13/14 17:02	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: FB-MW12-140409

Lab Sample ID: 500-74912-7

Date Collected: 04/09/14 10:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/13/14 17:29	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/13/14 17:29	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/13/14 17:29	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:29	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/13/14 17:29	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/13/14 17:29	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/13/14 17:29	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/13/14 17:29	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/13/14 17:29	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:29	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:29	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/13/14 17:29	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:29	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/13/14 17:29	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/13/14 17:29	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:29	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/13/14 17:29	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:29	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/13/14 17:29	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/13/14 17:29	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/13/14 17:29	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/13/14 17:29	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/13/14 17:29	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/13/14 17:29	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/13/14 17:29	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/13/14 17:29	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/13/14 17:29	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/13/14 17:29	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/13/14 17:29	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/13/14 17:29	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/13/14 17:29	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/13/14 17:29	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 17:29	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/13/14 17:29	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/13/14 17:29	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/13/14 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 120		04/13/14 17:29	1
Dibromofluoromethane	92		75 - 120		04/13/14 17:29	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 125		04/13/14 17:29	1
Toluene-d8 (Surr)	95		75 - 120		04/13/14 17:29	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00079		0.00079	0.000097	mg/L		04/11/14 09:56	04/16/14 19:27	1
Acenaphthylene	<0.00079		0.00079	0.00011	mg/L		04/11/14 09:56	04/16/14 19:27	1
Anthracene	<0.00079		0.00079	0.00015	mg/L		04/11/14 09:56	04/16/14 19:27	1
Benzo[a]anthracene	<0.00013		0.00013	0.000052	mg/L		04/11/14 09:56	04/16/14 19:27	1
Benzo[a]pyrene	<0.00016		0.00016	0.000060	mg/L		04/11/14 09:56	04/16/14 19:27	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: FB-MW12-140409

Lab Sample ID: 500-74912-7

Date Collected: 04/09/14 10:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.00016		0.00016	0.000065	mg/L		04/11/14 09:56	04/16/14 19:27	1
Benzo[g,h,i]perylene	<0.00079		0.00079	0.00038	mg/L		04/11/14 09:56	04/16/14 19:27	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.00013	mg/L		04/11/14 09:56	04/16/14 19:27	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 19:27	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 19:27	1
Bis(2-ethylhexyl) phthalate	<0.0079		0.0079	0.0018	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Bromophenyl phenyl ether	<0.0040		0.0040	0.00041	mg/L		04/11/14 09:56	04/16/14 19:27	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00021	mg/L		04/11/14 09:56	04/16/14 19:27	1
Carbazole	<0.0040		0.0040	0.00052	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Chloroaniline	<0.0079		0.0079	0.0017	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Chloro-3-methylphenol	<0.0079		0.0079	0.0011	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Chloronaphthalene	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Chlorophenol	<0.0040		0.0040	0.00050	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Chlorophenyl phenyl ether	<0.0040		0.0040	0.00055	mg/L		04/11/14 09:56	04/16/14 19:27	1
Chrysene	<0.00040		0.00040	0.000074	mg/L		04/11/14 09:56	04/16/14 19:27	1
Dibenz(a,h)anthracene	<0.00024		0.00024	0.000090	mg/L		04/11/14 09:56	04/16/14 19:27	1
Dibenzofuran	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 19:27	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00011	mg/L		04/11/14 09:56	04/16/14 19:27	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/16/14 19:27	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00058	mg/L		04/11/14 09:56	04/16/14 19:27	1
3,3'-Dichlorobenzidine	<0.0040		0.0040	0.00052	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4-Dichlorophenol	<0.0079		0.0079	0.00094	mg/L		04/11/14 09:56	04/16/14 19:27	1
Diethyl phthalate	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4-Dimethylphenol	<0.0079		0.0079	0.0015	mg/L		04/11/14 09:56	04/16/14 19:27	1
Dimethyl phthalate	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/16/14 19:27	1
Di-n-butyl phthalate	0.00069	J	0.0040	0.00065	mg/L		04/11/14 09:56	04/16/14 19:27	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4-Dinitrophenol	<0.016		0.016	0.00083	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4-Dinitrotoluene	<0.00079		0.00079	0.00016	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,6-Dinitrotoluene	<0.00040		0.00040	0.000078	mg/L		04/11/14 09:56	04/16/14 19:27	1
Di-n-octyl phthalate	<0.0079		0.0079	0.0013	mg/L		04/11/14 09:56	04/16/14 19:27	1
Fluoranthene	<0.00079		0.00079	0.00016	mg/L		04/11/14 09:56	04/16/14 19:27	1
Fluorene	<0.00079		0.00079	0.00013	mg/L		04/11/14 09:56	04/16/14 19:27	1
Hexachlorobenzene	<0.00040		0.00040	0.000083	mg/L		04/11/14 09:56	04/16/14 19:27	1
Hexachlorobutadiene	<0.0040		0.0040	0.00060	mg/L		04/11/14 09:56	04/16/14 19:27	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0015	mg/L		04/11/14 09:56	04/16/14 19:27	1
Hexachloroethane	<0.0040		0.0040	0.00044	mg/L		04/11/14 09:56	04/16/14 19:27	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000061	mg/L		04/11/14 09:56	04/16/14 19:27	1
Isophorone	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Methylnaphthalene	<0.00040		0.00040	0.000067	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Methylphenol	<0.0016		0.0016	0.00022	mg/L		04/11/14 09:56	04/16/14 19:27	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00018	mg/L		04/11/14 09:56	04/16/14 19:27	1
Naphthalene	<0.00079		0.00079	0.00012	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Nitroaniline	<0.0040		0.0040	0.00091	mg/L		04/11/14 09:56	04/16/14 19:27	1
3-Nitroaniline	<0.0079		0.0079	0.00090	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Nitroaniline	<0.0079		0.0079	0.0021	mg/L		04/11/14 09:56	04/16/14 19:27	1
Nitrobenzene	<0.00079		0.00079	0.00017	mg/L		04/11/14 09:56	04/16/14 19:27	1
2-Nitrophenol	<0.0079		0.0079	0.0011	mg/L		04/11/14 09:56	04/16/14 19:27	1
4-Nitrophenol	<0.016		0.016	0.0018	mg/L		04/11/14 09:56	04/16/14 19:27	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: FB-MW12-140409

Lab Sample ID: 500-74912-7

Date Collected: 04/09/14 10:00

Matrix: Water

Date Received: 04/10/14 11:35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.00040		0.00040	0.00019	mg/L		04/11/14 09:56	04/16/14 19:27	1
N-Nitrosodiphenylamine	<0.00079		0.00079	0.00015	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/16/14 19:27	1
Pentachlorophenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/16/14 19:27	1
Phenanthrene	<0.00079		0.00079	0.00017	mg/L		04/11/14 09:56	04/16/14 19:27	1
Phenol	<0.0040		0.0040	0.00050	mg/L		04/11/14 09:56	04/16/14 19:27	1
Pyrene	<0.00079		0.00079	0.00018	mg/L		04/11/14 09:56	04/16/14 19:27	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4,5-Trichlorophenol	<0.0079		0.0079	0.0014	mg/L		04/11/14 09:56	04/16/14 19:27	1
2,4,6-Trichlorophenol	<0.0040		0.0040	0.00053	mg/L		04/11/14 09:56	04/16/14 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		41 - 132	04/11/14 09:56	04/16/14 19:27	1
2-Fluorophenol	40		32 - 110	04/11/14 09:56	04/16/14 19:27	1
Nitrobenzene-d5	56		47 - 134	04/11/14 09:56	04/16/14 19:27	1
Phenol-d5	28		25 - 100	04/11/14 09:56	04/16/14 19:27	1
Terphenyl-d14	84		59 - 150	04/11/14 09:56	04/16/14 19:27	1
2,4,6-Tribromophenol	51 X		53 - 150	04/11/14 09:56	04/16/14 19:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0050		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 15:58	1

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

GC/MS VOA

Analysis Batch: 231285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-2	GW-MW13-140409	Total/NA	Water	8260B	
500-74912-2 MS	GW-MW13-140409	Total/NA	Water	8260B	
500-74912-2 MSD	GW-MW13-140409	Total/NA	Water	8260B	
500-74912-3 - DL	GW-MW14-140409	Total/NA	Water	8260B	
500-74912-4	GW-MW15-140409	Total/NA	Water	8260B	
500-74912-4 - DL	GW-MW15-140409	Total/NA	Water	8260B	
500-74912-5 - DL	GW-MW14-140409D	Total/NA	Water	8260B	
500-74912-6	Trip Blank	Total/NA	Water	8260B	
500-74912-7	FB-MW12-140409	Total/NA	Water	8260B	
LCS 500-231285/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-231285/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 231435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-1	GW-MW12-140409	Total/NA	Water	8260B	
500-74912-3	GW-MW14-140409	Total/NA	Water	8260B	
500-74912-5	GW-MW14-140409D	Total/NA	Water	8260B	
LCS 500-231435/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-231435/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 231145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-1	GW-MW12-140409	Total/NA	Water	3510C	
500-74912-2	GW-MW13-140409	Total/NA	Water	3510C	
500-74912-2 MS	GW-MW13-140409	Total/NA	Water	3510C	
500-74912-2 MSD	GW-MW13-140409	Total/NA	Water	3510C	
500-74912-3	GW-MW14-140409	Total/NA	Water	3510C	
500-74912-4 - DL	GW-MW15-140409	Total/NA	Water	3510C	
500-74912-4	GW-MW15-140409	Total/NA	Water	3510C	
500-74912-5	GW-MW14-140409D	Total/NA	Water	3510C	
500-74912-7	FB-MW12-140409	Total/NA	Water	3510C	
LCS 500-231145/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 500-231145/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 231375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-231145/2-A	Lab Control Sample	Total/NA	Water	8270D	231145
MB 500-231145/1-A	Method Blank	Total/NA	Water	8270D	231145

Analysis Batch: 231815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-1	GW-MW12-140409	Total/NA	Water	8270D	231145
500-74912-2	GW-MW13-140409	Total/NA	Water	8270D	231145
500-74912-2 MS	GW-MW13-140409	Total/NA	Water	8270D	231145
500-74912-2 MSD	GW-MW13-140409	Total/NA	Water	8270D	231145
500-74912-3	GW-MW14-140409	Total/NA	Water	8270D	231145
500-74912-4	GW-MW15-140409	Total/NA	Water	8270D	231145
500-74912-5	GW-MW14-140409D	Total/NA	Water	8270D	231145

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

GC/MS Semi VOA (Continued)

Analysis Batch: 231815 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-7	FB-MW12-140409	Total/NA	Water	8270D	231145

Analysis Batch: 231967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-4 - DL	GW-MW15-140409	Total/NA	Water	8270D	231145

Metals

Prep Batch: 231153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-1	GW-MW12-140409	Total/NA	Water	3010A	
500-74912-2	GW-MW13-140409	Total/NA	Water	3010A	
500-74912-2 DU	GW-MW13-140409	Total/NA	Water	3010A	
500-74912-2 MS	GW-MW13-140409	Total/NA	Water	3010A	
500-74912-2 MSD	GW-MW13-140409	Total/NA	Water	3010A	
500-74912-3	GW-MW14-140409	Total/NA	Water	3010A	
500-74912-4	GW-MW15-140409	Total/NA	Water	3010A	
500-74912-5	GW-MW14-140409D	Total/NA	Water	3010A	
500-74912-7	FB-MW12-140409	Total/NA	Water	3010A	
LCS 500-231153/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-231153/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 231336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-74912-1	GW-MW12-140409	Total/NA	Water	6010B	231153
500-74912-2	GW-MW13-140409	Total/NA	Water	6010B	231153
500-74912-2 DU	GW-MW13-140409	Total/NA	Water	6010B	231153
500-74912-2 MS	GW-MW13-140409	Total/NA	Water	6010B	231153
500-74912-2 MSD	GW-MW13-140409	Total/NA	Water	6010B	231153
500-74912-3	GW-MW14-140409	Total/NA	Water	6010B	231153
500-74912-4	GW-MW15-140409	Total/NA	Water	6010B	231153
500-74912-5	GW-MW14-140409D	Total/NA	Water	6010B	231153
500-74912-7	FB-MW12-140409	Total/NA	Water	6010B	231153
LCS 500-231153/2-A	Lab Control Sample	Total/NA	Water	6010B	231153
MB 500-231153/1-A	Method Blank	Total/NA	Water	6010B	231153

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-74912-1	GW-MW12-140409	95	92	100	96
500-74912-2	GW-MW13-140409	94	92	94	96
500-74912-2 MS	GW-MW13-140409	95	93	96	95
500-74912-2 MSD	GW-MW13-140409	95	94	97	95
500-74912-3	GW-MW14-140409	96	91	94	94
500-74912-4	GW-MW15-140409	93	90	106	96
500-74912-4 - DL	GW-MW15-140409	94	91	93	96
500-74912-5	GW-MW14-140409D	96	92	97	94
500-74912-6	Trip Blank	94	92	94	95
500-74912-7	FB-MW12-140409	95	92	95	95
LCS 500-231285/4	Lab Control Sample	95	89	92	96
LCS 500-231435/4	Lab Control Sample	95	93	94	94
MB 500-231285/6	Method Blank	95	90	94	95
MB 500-231435/6	Method Blank	96	93	96	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (41-132)	2FP (32-110)	NBZ (47-134)	PHL (25-100)	TPH (59-150)	TBP (53-150)
500-74912-1	GW-MW12-140409	73	71	74	51	97	84
500-74912-2	GW-MW13-140409	78	64	78	45	84	77
500-74912-2 MS	GW-MW13-140409	76	70	80	63	69	88
500-74912-2 MSD	GW-MW13-140409	79	74	84	64	77	90
500-74912-3	GW-MW14-140409	61	52	64	36	72	82
500-74912-4	GW-MW15-140409	69	73	68	54	90	80
500-74912-4 - DL	GW-MW15-140409	71	56	75	50	88	84
500-74912-5	GW-MW14-140409D	77	72	79	51	77	88
500-74912-7	FB-MW12-140409	56	40	56	28	84	51 X
LCS 500-231145/2-A	Lab Control Sample	66	61	76	53	86	93
MB 500-231145/1-A	Method Blank	68	52	78	46	88	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-231285/6

Matrix: Water

Analysis Batch: 231285

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/13/14 10:38	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/13/14 10:38	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/13/14 10:38	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/13/14 10:38	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/13/14 10:38	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/13/14 10:38	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/13/14 10:38	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/13/14 10:38	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/13/14 10:38	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/13/14 10:38	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/13/14 10:38	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/13/14 10:38	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/13/14 10:38	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/13/14 10:38	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/13/14 10:38	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 10:38	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/13/14 10:38	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/13/14 10:38	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/13/14 10:38	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/13/14 10:38	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/13/14 10:38	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/13/14 10:38	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/13/14 10:38	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/13/14 10:38	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/13/14 10:38	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/13/14 10:38	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/13/14 10:38	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/13/14 10:38	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/13/14 10:38	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/13/14 10:38	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/13/14 10:38	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/13/14 10:38	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/13/14 10:38	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/13/14 10:38	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/13/14 10:38	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/13/14 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 120		04/13/14 10:38	1
Dibromofluoromethane	90		75 - 120		04/13/14 10:38	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 125		04/13/14 10:38	1
Toluene-d8 (Surr)	95		75 - 120		04/13/14 10:38	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-231285/4

Matrix: Water

Analysis Batch: 231285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0586		mg/L		117	48 - 149
Benzene	0.0500	0.0466		mg/L		93	75 - 120
Bromodichloromethane	0.0500	0.0470		mg/L		94	77 - 121
Bromoform	0.0500	0.0493		mg/L		99	68 - 126
Bromomethane	0.0500	0.0458		mg/L		92	45 - 169
Carbon disulfide	0.0500	0.0464		mg/L		93	56 - 120
Carbon tetrachloride	0.0500	0.0483		mg/L		97	70 - 126
Chlorobenzene	0.0500	0.0489		mg/L		98	75 - 120
Chloroethane	0.0500	0.0453		mg/L		91	58 - 147
Chloroform	0.0500	0.0462		mg/L		92	76 - 120
Chloromethane	0.0500	0.0460		mg/L		92	63 - 133
cis-1,2-Dichloroethene	0.0500	0.0471		mg/L		94	75 - 120
cis-1,3-Dichloropropene	0.0500	0.0491		mg/L		98	78 - 121
Dibromochloromethane	0.0500	0.0496		mg/L		99	71 - 126
1,1-Dichloroethane	0.0500	0.0475		mg/L		95	75 - 120
1,2-Dichloroethane	0.0500	0.0481		mg/L		96	69 - 130
1,1-Dichloroethene	0.0500	0.0474		mg/L		95	69 - 120
1,2-Dichloropropane	0.0500	0.0474		mg/L		95	75 - 120
Ethylbenzene	0.0500	0.0493		mg/L		99	75 - 120
2-Hexanone	0.0500	0.0536		mg/L		107	55 - 140
Methylene Chloride	0.0500	0.0473		mg/L		95	73 - 120
Methyl Ethyl Ketone	0.0500	0.0529		mg/L		106	53 - 142
methyl isobutyl ketone	0.0500	0.0507		mg/L		101	58 - 135
Methyl tert-butyl ether	0.0500	0.0479		mg/L		96	75 - 120
Styrene	0.0500	0.0486		mg/L		97	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0496		mg/L		99	72 - 130
Tetrachloroethene	0.0500	0.0492		mg/L		98	75 - 120
Toluene	0.0500	0.0492		mg/L		98	75 - 120
trans-1,2-Dichloroethene	0.0500	0.0468		mg/L		94	77 - 120
trans-1,3-Dichloropropene	0.0500	0.0494		mg/L		99	74 - 123
1,1,1-Trichloroethane	0.0500	0.0457		mg/L		91	72 - 124
1,1,2-Trichloroethane	0.0500	0.0480		mg/L		96	75 - 120
Trichloroethene	0.0500	0.0479		mg/L		96	75 - 120
Vinyl chloride	0.0500	0.0473		mg/L		95	72 - 123
Xylenes, Total	0.100	0.0954		mg/L		95	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	89		75 - 120
1,2-Dichloroethane-d4 (Surr)	92		75 - 125
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: 500-74912-2 MS

Matrix: Water

Analysis Batch: 231285

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0077		0.0500	0.0533		mg/L		91	48 - 149

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74912-2 MS

Matrix: Water

Analysis Batch: 231285

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier			%Rec	
Benzene	<0.00050		0.0500	0.0460		mg/L		92	75 - 120
Bromodichloromethane	<0.0010		0.0500	0.0474		mg/L		95	77 - 121
Bromoform	<0.0010		0.0500	0.0467		mg/L		93	68 - 126
Bromomethane	<0.0010		0.0500	0.0493		mg/L		99	45 - 169
Carbon disulfide	<0.0050		0.0500	0.0432		mg/L		86	56 - 120
Carbon tetrachloride	<0.0010		0.0500	0.0477		mg/L		95	70 - 126
Chlorobenzene	<0.0010		0.0500	0.0479		mg/L		96	75 - 120
Chloroethane	<0.0010		0.0500	0.0474		mg/L		95	58 - 147
Chloroform	<0.0010		0.0500	0.0461		mg/L		92	76 - 120
Chloromethane	<0.0010		0.0500	0.0483		mg/L		97	63 - 133
cis-1,2-Dichloroethene	<0.0010		0.0500	0.0460		mg/L		92	75 - 120
cis-1,3-Dichloropropene	<0.0010		0.0500	0.0474		mg/L		95	78 - 121
Dibromochloromethane	<0.0010		0.0500	0.0475		mg/L		95	71 - 126
1,1-Dichloroethane	0.00067	J	0.0500	0.0478		mg/L		94	75 - 120
1,2-Dichloroethane	0.00085	J	0.0500	0.0503		mg/L		99	69 - 130
1,1-Dichloroethene	<0.0010		0.0500	0.0443		mg/L		89	69 - 120
1,2-Dichloropropane	<0.0010		0.0500	0.0476		mg/L		95	75 - 120
Ethylbenzene	0.00036	J	0.0500	0.0476		mg/L		95	75 - 120
2-Hexanone	<0.0050		0.0500	0.0484		mg/L		97	55 - 140
Methylene Chloride	<0.0050		0.0500	0.0461		mg/L		92	73 - 120
Methyl Ethyl Ketone	<0.0050		0.0500	0.0570		mg/L		114	53 - 142
methyl isobutyl ketone	<0.0050		0.0500	0.0498		mg/L		100	58 - 135
Methyl tert-butyl ether	<0.0010		0.0500	0.0471		mg/L		94	75 - 120
Styrene	<0.0010		0.0500	0.0477		mg/L		95	75 - 120
1,1,2,2-Tetrachloroethane	<0.0010		0.0500	0.0491		mg/L		98	72 - 130
Tetrachloroethene	<0.0010		0.0500	0.0468		mg/L		94	75 - 120
Toluene	<0.00050		0.0500	0.0478		mg/L		96	75 - 120
trans-1,2-Dichloroethene	<0.0010		0.0500	0.0453		mg/L		91	77 - 120
trans-1,3-Dichloropropene	<0.0010		0.0500	0.0470		mg/L		94	74 - 123
1,1,1-Trichloroethane	<0.0010		0.0500	0.0457		mg/L		91	72 - 124
1,1,2-Trichloroethane	<0.0010		0.0500	0.0474		mg/L		95	75 - 120
Trichloroethene	<0.00050		0.0500	0.0466		mg/L		93	75 - 120
Vinyl chloride	<0.00050		0.0500	0.0477		mg/L		95	72 - 123
Xylenes, Total	0.0013		0.100	0.0944		mg/L		93	75 - 120
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		75 - 120						
Dibromofluoromethane	93		75 - 120						
1,2-Dichloroethane-d4 (Surr)	96		75 - 125						
Toluene-d8 (Surr)	95		75 - 120						

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231285

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0077		0.0500	0.0490		mg/L		83	48 - 149	8	20
Benzene	<0.00050		0.0500	0.0484		mg/L		97	75 - 120	5	20

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231285

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	<0.0010		0.0500	0.0495		mg/L		99	77 - 121	4	20
Bromoform	<0.0010		0.0500	0.0488		mg/L		98	68 - 126	4	20
Bromomethane	<0.0010		0.0500	0.0502		mg/L		100	45 - 169	2	20
Carbon disulfide	<0.0050		0.0500	0.0461		mg/L		92	56 - 120	6	20
Carbon tetrachloride	<0.0010		0.0500	0.0503		mg/L		101	70 - 126	5	20
Chlorobenzene	<0.0010		0.0500	0.0500		mg/L		100	75 - 120	4	20
Chloroethane	<0.0010		0.0500	0.0487		mg/L		97	58 - 147	3	20
Chloroform	<0.0010		0.0500	0.0485		mg/L		97	76 - 120	5	20
Chloromethane	<0.0010		0.0500	0.0493		mg/L		99	63 - 133	2	20
cis-1,2-Dichloroethene	<0.0010		0.0500	0.0483		mg/L		97	75 - 120	5	20
cis-1,3-Dichloropropene	<0.0010		0.0500	0.0500		mg/L		100	78 - 121	5	20
Dibromochloromethane	<0.0010		0.0500	0.0506		mg/L		101	71 - 126	6	20
1,1-Dichloroethane	0.00067	J	0.0500	0.0502		mg/L		99	75 - 120	5	20
1,2-Dichloroethane	0.00085	J	0.0500	0.0525		mg/L		103	69 - 130	4	20
1,1-Dichloroethene	<0.0010		0.0500	0.0470		mg/L		94	69 - 120	6	20
1,2-Dichloropropane	<0.0010		0.0500	0.0498		mg/L		100	75 - 120	4	20
Ethylbenzene	0.00036	J	0.0500	0.0501		mg/L		99	75 - 120	5	20
2-Hexanone	<0.0050		0.0500	0.0497		mg/L		99	55 - 140	3	20
Methylene Chloride	<0.0050		0.0500	0.0493		mg/L		99	73 - 120	7	20
Methyl Ethyl Ketone	<0.0050		0.0500	0.0501		mg/L		100	53 - 142	13	20
methyl isobutyl ketone	<0.0050		0.0500	0.0514		mg/L		103	58 - 135	3	20
Methyl tert-butyl ether	<0.0010		0.0500	0.0501		mg/L		100	75 - 120	6	20
Styrene	<0.0010		0.0500	0.0497		mg/L		99	75 - 120	4	20
1,1,2,2-Tetrachloroethane	<0.0010		0.0500	0.0514		mg/L		103	72 - 130	5	20
Tetrachloroethene	<0.0010		0.0500	0.0491		mg/L		98	75 - 120	5	20
Toluene	<0.00050		0.0500	0.0502		mg/L		100	75 - 120	5	20
trans-1,2-Dichloroethene	<0.0010		0.0500	0.0479		mg/L		96	77 - 120	6	20
trans-1,3-Dichloropropene	<0.0010		0.0500	0.0495		mg/L		99	74 - 123	5	20
1,1,1-Trichloroethane	<0.0010		0.0500	0.0483		mg/L		97	72 - 124	6	20
1,1,2-Trichloroethane	<0.0010		0.0500	0.0500		mg/L		100	75 - 120	5	20
Trichloroethene	<0.00050		0.0500	0.0492		mg/L		98	75 - 120	5	20
Vinyl chloride	<0.00050		0.0500	0.0489		mg/L		98	72 - 123	2	20
Xylenes, Total	0.0013		0.100	0.0988		mg/L		98	75 - 120	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	94		75 - 120
1,2-Dichloroethane-d4 (Surr)	97		75 - 125
Toluene-d8 (Surr)	95		75 - 120

Lab Sample ID: MB 500-231435/6

Matrix: Water

Analysis Batch: 231435

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0013	mg/L			04/14/14 23:00	1
Benzene	<0.00050		0.00050	0.000074	mg/L			04/14/14 23:00	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			04/14/14 23:00	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-231435/6

Matrix: Water

Analysis Batch: 231435

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.0010		0.0010	0.00028	mg/L			04/14/14 23:00	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			04/14/14 23:00	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			04/14/14 23:00	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			04/14/14 23:00	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			04/14/14 23:00	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			04/14/14 23:00	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			04/14/14 23:00	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			04/14/14 23:00	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			04/14/14 23:00	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			04/14/14 23:00	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			04/14/14 23:00	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			04/14/14 23:00	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			04/14/14 23:00	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			04/14/14 23:00	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			04/14/14 23:00	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			04/14/14 23:00	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			04/14/14 23:00	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			04/14/14 23:00	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			04/14/14 23:00	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			04/14/14 23:00	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			04/14/14 23:00	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			04/14/14 23:00	1
Styrene	<0.0010		0.0010	0.00010	mg/L			04/14/14 23:00	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			04/14/14 23:00	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			04/14/14 23:00	1
Toluene	<0.00050		0.00050	0.00011	mg/L			04/14/14 23:00	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			04/14/14 23:00	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			04/14/14 23:00	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			04/14/14 23:00	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			04/14/14 23:00	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			04/14/14 23:00	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			04/14/14 23:00	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			04/14/14 23:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120		04/14/14 23:00	1
Dibromofluoromethane	93		75 - 120		04/14/14 23:00	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 125		04/14/14 23:00	1
Toluene-d8 (Surr)	94		75 - 120		04/14/14 23:00	1

Lab Sample ID: LCS 500-231435/4

Matrix: Water

Analysis Batch: 231435

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0534		mg/L		107	48 - 149
Benzene	0.0500	0.0524		mg/L		105	75 - 120
Bromodichloromethane	0.0500	0.0533		mg/L		107	77 - 121

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-231435/4

Matrix: Water

Analysis Batch: 231435

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	0.0500	0.0514		mg/L		103	68 - 126
Bromomethane	0.0500	0.0571		mg/L		114	45 - 169
Carbon disulfide	0.0500	0.0451		mg/L		90	56 - 120
Carbon tetrachloride	0.0500	0.0523		mg/L		105	70 - 126
Chlorobenzene	0.0500	0.0536		mg/L		107	75 - 120
Chloroethane	0.0500	0.0536		mg/L		107	58 - 147
Chloroform	0.0500	0.0524		mg/L		105	76 - 120
Chloromethane	0.0500	0.0560		mg/L		112	63 - 133
cis-1,2-Dichloroethene	0.0500	0.0527		mg/L		105	75 - 120
cis-1,3-Dichloropropene	0.0500	0.0528		mg/L		106	78 - 121
Dibromochloromethane	0.0500	0.0523		mg/L		105	71 - 126
1,1-Dichloroethane	0.0500	0.0528		mg/L		106	75 - 120
1,2-Dichloroethane	0.0500	0.0550		mg/L		110	69 - 130
1,1-Dichloroethene	0.0500	0.0479		mg/L		96	69 - 120
1,2-Dichloropropane	0.0500	0.0544		mg/L		109	75 - 120
Ethylbenzene	0.0500	0.0529		mg/L		106	75 - 120
2-Hexanone	0.0500	0.0546		mg/L		109	55 - 140
Methylene Chloride	0.0500	0.0518		mg/L		104	73 - 120
Methyl Ethyl Ketone	0.0500	0.0543		mg/L		109	53 - 142
methyl isobutyl ketone	0.0500	0.0533		mg/L		107	58 - 135
Methyl tert-butyl ether	0.0500	0.0520		mg/L		104	75 - 120
Styrene	0.0500	0.0531		mg/L		106	75 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0563		mg/L		113	72 - 130
Tetrachloroethene	0.0500	0.0511		mg/L		102	75 - 120
Toluene	0.0500	0.0532		mg/L		106	75 - 120
trans-1,2-Dichloroethene	0.0500	0.0503		mg/L		101	77 - 120
trans-1,3-Dichloropropene	0.0500	0.0523		mg/L		105	74 - 123
1,1,1-Trichloroethane	0.0500	0.0510		mg/L		102	72 - 124
1,1,2-Trichloroethane	0.0500	0.0528		mg/L		106	75 - 120
Trichloroethene	0.0500	0.0537		mg/L		107	75 - 120
Vinyl chloride	0.0500	0.0551		mg/L		110	72 - 123
Xylenes, Total	0.100	0.104		mg/L		104	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	94		75 - 125
Toluene-d8 (Surr)	94		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-231145/1-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 231145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00080		0.00080	0.000099	mg/L		04/11/14 09:56	04/14/14 12:30	1
Acenaphthylene	<0.00080		0.00080	0.00011	mg/L		04/11/14 09:56	04/14/14 12:30	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-231145/1-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 231145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.00080		0.00080	0.00015	mg/L		04/11/14 09:56	04/14/14 12:30	1
Benzo[a]anthracene	<0.00013		0.00013	0.000052	mg/L		04/11/14 09:56	04/14/14 12:30	1
Benzo[a]pyrene	<0.00016		0.00016	0.000061	mg/L		04/11/14 09:56	04/14/14 12:30	1
Benzo[b]fluoranthene	<0.00016		0.00016	0.000065	mg/L		04/11/14 09:56	04/14/14 12:30	1
Benzo[g,h,i]perylene	<0.00080		0.00080	0.00039	mg/L		04/11/14 09:56	04/14/14 12:30	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.00014	mg/L		04/11/14 09:56	04/14/14 12:30	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/14/14 12:30	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00017	mg/L		04/11/14 09:56	04/14/14 12:30	1
Bis(2-ethylhexyl) phthalate	<0.0080		0.0080	0.0018	mg/L		04/11/14 09:56	04/14/14 12:30	1
4-Bromophenyl phenyl ether	<0.0040		0.0040	0.00042	mg/L		04/11/14 09:56	04/14/14 12:30	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00021	mg/L		04/11/14 09:56	04/14/14 12:30	1
Carbazole	<0.0040		0.0040	0.00052	mg/L		04/11/14 09:56	04/14/14 12:30	1
4-Chloroaniline	<0.0080		0.0080	0.0018	mg/L		04/11/14 09:56	04/14/14 12:30	1
4-Chloro-3-methylphenol	<0.0080		0.0080	0.0011	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Chloronaphthalene	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Chlorophenol	<0.0040		0.0040	0.00051	mg/L		04/11/14 09:56	04/14/14 12:30	1
4-Chlorophenyl phenyl ether	<0.0040		0.0040	0.00055	mg/L		04/11/14 09:56	04/14/14 12:30	1
Chrysene	<0.00040		0.00040	0.000075	mg/L		04/11/14 09:56	04/14/14 12:30	1
Dibenz(a,h)anthracene	<0.00024		0.00024	0.000091	mg/L		04/11/14 09:56	04/14/14 12:30	1
Dibenzofuran	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/14/14 12:30	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00011	mg/L		04/11/14 09:56	04/14/14 12:30	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00018	mg/L		04/11/14 09:56	04/14/14 12:30	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00059	mg/L		04/11/14 09:56	04/14/14 12:30	1
3,3'-Dichlorobenzidine	<0.0040		0.0040	0.00053	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4-Dichlorophenol	<0.0080		0.0080	0.00096	mg/L		04/11/14 09:56	04/14/14 12:30	1
Diethyl phthalate	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4-Dimethylphenol	<0.0080		0.0080	0.0015	mg/L		04/11/14 09:56	04/14/14 12:30	1
Dimethyl phthalate	<0.0016		0.0016	0.00013	mg/L		04/11/14 09:56	04/14/14 12:30	1
Di-n-butyl phthalate	<0.0040		0.0040	0.00066	mg/L		04/11/14 09:56	04/14/14 12:30	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4-Dinitrophenol	<0.016		0.016	0.00084	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4-Dinitrotoluene	<0.00080		0.00080	0.00017	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,6-Dinitrotoluene	<0.00040		0.00040	0.000079	mg/L		04/11/14 09:56	04/14/14 12:30	1
Di-n-octyl phthalate	<0.0080		0.0080	0.0013	mg/L		04/11/14 09:56	04/14/14 12:30	1
Fluoranthene	<0.00080		0.00080	0.00016	mg/L		04/11/14 09:56	04/14/14 12:30	1
Fluorene	<0.00080		0.00080	0.00013	mg/L		04/11/14 09:56	04/14/14 12:30	1
Hexachlorobenzene	<0.00040		0.00040	0.000084	mg/L		04/11/14 09:56	04/14/14 12:30	1
Hexachlorobutadiene	<0.0040		0.0040	0.00060	mg/L		04/11/14 09:56	04/14/14 12:30	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0015	mg/L		04/11/14 09:56	04/14/14 12:30	1
Hexachloroethane	<0.0040		0.0040	0.00045	mg/L		04/11/14 09:56	04/14/14 12:30	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000061	mg/L		04/11/14 09:56	04/14/14 12:30	1
Isophorone	<0.0016		0.0016	0.00014	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Methylnaphthalene	<0.00040		0.00040	0.000067	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Methylphenol	<0.0016		0.0016	0.00022	mg/L		04/11/14 09:56	04/14/14 12:30	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00019	mg/L		04/11/14 09:56	04/14/14 12:30	1
Naphthalene	<0.00080		0.00080	0.00012	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Nitroaniline	<0.0040		0.0040	0.00092	mg/L		04/11/14 09:56	04/14/14 12:30	1
3-Nitroaniline	<0.0080		0.0080	0.00091	mg/L		04/11/14 09:56	04/14/14 12:30	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-231145/1-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 231145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	<0.0080		0.0080	0.0021	mg/L		04/11/14 09:56	04/14/14 12:30	1
Nitrobenzene	<0.00080		0.00080	0.00017	mg/L		04/11/14 09:56	04/14/14 12:30	1
2-Nitrophenol	<0.0080		0.0080	0.0012	mg/L		04/11/14 09:56	04/14/14 12:30	1
4-Nitrophenol	<0.016		0.016	0.0018	mg/L		04/11/14 09:56	04/14/14 12:30	1
N-Nitrosodi-n-propylamine	<0.00040		0.00040	0.00019	mg/L		04/11/14 09:56	04/14/14 12:30	1
N-Nitrosodiphenylamine	<0.00080		0.00080	0.00015	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/14/14 12:30	1
Pentachlorophenol	<0.016		0.016	0.0014	mg/L		04/11/14 09:56	04/14/14 12:30	1
Phenanthrene	<0.00080		0.00080	0.00017	mg/L		04/11/14 09:56	04/14/14 12:30	1
Phenol	<0.0040		0.0040	0.00051	mg/L		04/11/14 09:56	04/14/14 12:30	1
Pyrene	<0.00080		0.00080	0.00018	mg/L		04/11/14 09:56	04/14/14 12:30	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00015	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4,5-Trichlorophenol	<0.0080		0.0080	0.0014	mg/L		04/11/14 09:56	04/14/14 12:30	1
2,4,6-Trichlorophenol	<0.0040		0.0040	0.00054	mg/L		04/11/14 09:56	04/14/14 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		41 - 132	04/11/14 09:56	04/14/14 12:30	1
2-Fluorophenol	52		32 - 110	04/11/14 09:56	04/14/14 12:30	1
Nitrobenzene-d5	78		47 - 134	04/11/14 09:56	04/14/14 12:30	1
Phenol-d5	46		25 - 100	04/11/14 09:56	04/14/14 12:30	1
Terphenyl-d14	88		59 - 150	04/11/14 09:56	04/14/14 12:30	1
2,4,6-Tribromophenol	63		53 - 150	04/11/14 09:56	04/14/14 12:30	1

Lab Sample ID: LCS 500-231145/2-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0320	0.0210		mg/L		66	41 - 120
Acenaphthylene	0.0320	0.0226		mg/L		71	47 - 112
Anthracene	0.0320	0.0248		mg/L		77	56 - 124
Benzo[a]anthracene	0.0320	0.0255		mg/L		80	60 - 122
Benzo[a]pyrene	0.0320	0.0252		mg/L		79	66 - 116
Benzo[b]fluoranthene	0.0320	0.0249		mg/L		78	66 - 120
Benzo[g,h,i]perylene	0.0320	0.0266		mg/L		83	42 - 164
Benzo[k]fluoranthene	0.0320	0.0261		mg/L		82	52 - 123
Bis(2-chloroethoxy)methane	0.0320	0.0251		mg/L		78	57 - 115
Bis(2-chloroethyl)ether	0.0320	0.0249		mg/L		78	50 - 105
Bis(2-ethylhexyl) phthalate	0.0320	0.0260		mg/L		81	69 - 123
4-Bromophenyl phenyl ether	0.0320	0.0261		mg/L		82	61 - 123
Butyl benzyl phthalate	0.0320	0.0260		mg/L		81	69 - 123
Carbazole	0.0320	0.0268		mg/L		84	63 - 135
4-Chloroaniline	0.0320	0.0225		mg/L		70	15 - 141
4-Chloro-3-methylphenol	0.0320	0.0264		mg/L		83	64 - 129
2-Chloronaphthalene	0.0320	0.0213		mg/L		67	40 - 114
2-Chlorophenol	0.0320	0.0241		mg/L		75	57 - 108
4-Chlorophenyl phenyl ether	0.0320	0.0254		mg/L		79	58 - 120
Chrysene	0.0320	0.0249		mg/L		78	59 - 126

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-231145/2-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	0.0320	0.0257		mg/L		80	53 - 149
Dibenzofuran	0.0320	0.0243		mg/L		76	54 - 120
1,2-Dichlorobenzene	0.0320	0.0182		mg/L		57	36 - 96
1,3-Dichlorobenzene	0.0320	0.0166		mg/L		52	31 - 95
1,4-Dichlorobenzene	0.0320	0.0176		mg/L		55	35 - 95
3,3'-Dichlorobenzidine	0.0320	0.0270		mg/L		85	49 - 127
2,4-Dichlorophenol	0.0320	0.0269		mg/L		84	61 - 122
Diethyl phthalate	0.0320	0.0272		mg/L		85	54 - 140
2,4-Dimethylphenol	0.0320	0.0279		mg/L		87	49 - 117
Dimethyl phthalate	0.0320	0.0271		mg/L		85	60 - 130
Di-n-butyl phthalate	0.0320	0.0269		mg/L		84	64 - 125
4,6-Dinitro-2-methylphenol	0.0640	0.0583		mg/L		91	66 - 143
2,4-Dinitrophenol	0.0640	0.0606		mg/L		95	47 - 161
2,4-Dinitrotoluene	0.0320	0.0285		mg/L		89	71 - 127
2,6-Dinitrotoluene	0.0320	0.0269		mg/L		84	67 - 124
Di-n-octyl phthalate	0.0320	0.0267		mg/L		84	62 - 132
Fluoranthene	0.0320	0.0272		mg/L		85	68 - 114
Fluorene	0.0320	0.0244		mg/L		76	50 - 125
Hexachlorobenzene	0.0320	0.0276		mg/L		86	59 - 122
Hexachlorobutadiene	0.0320	0.0158		mg/L		49	25 - 104
Hexachlorocyclopentadiene	0.0320	0.0147	J	mg/L		46	14 - 106
Hexachloroethane	0.0320	0.0162		mg/L		51	25 - 96
Indeno[1,2,3-cd]pyrene	0.0320	0.0254		mg/L		79	53 - 151
Isophorone	0.0320	0.0269		mg/L		84	61 - 112
2-Methylnaphthalene	0.0320	0.0215		mg/L		67	35 - 113
2-Methylphenol	0.0320	0.0262		mg/L		82	54 - 109
3 & 4 Methylphenol	0.0320	0.0259		mg/L		81	54 - 107
Naphthalene	0.0320	0.0235		mg/L		74	41 - 106
2-Nitroaniline	0.0320	0.0265		mg/L		83	59 - 129
3-Nitroaniline	0.0320	0.0265		mg/L		83	53 - 126
4-Nitroaniline	0.0320	0.0280		mg/L		88	60 - 148
Nitrobenzene	0.0320	0.0241		mg/L		75	52 - 112
2-Nitrophenol	0.0320	0.0258		mg/L		81	62 - 117
4-Nitrophenol	0.0640	0.0414		mg/L		65	35 - 112
N-Nitrosodi-n-propylamine	0.0320	0.0280		mg/L		88	47 - 113
N-Nitrosodiphenylamine	0.0320	0.0260		mg/L		81	50 - 117
2,2'-oxybis[1-chloropropane]	0.0320	0.0209		mg/L		65	24 - 115
Pentachlorophenol	0.0640	0.0554		mg/L		87	55 - 129
Phenanthrene	0.0320	0.0260		mg/L		81	55 - 126
Phenol	0.0320	0.0183		mg/L		57	34 - 89
Pyrene	0.0320	0.0267		mg/L		83	62 - 118
1,2,4-Trichlorobenzene	0.0320	0.0184		mg/L		57	36 - 98
2,4,5-Trichlorophenol	0.0320	0.0262		mg/L		82	59 - 132
2,4,6-Trichlorophenol	0.0320	0.0268		mg/L		84	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	66		41 - 132
2-Fluorophenol	61		32 - 110

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-231145/2-A

Matrix: Water

Analysis Batch: 231375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 231145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	76		47 - 134
Phenol-d5	53		25 - 100
Terphenyl-d14	86		59 - 150
2,4,6-Tribromophenol	93		53 - 150

Lab Sample ID: 500-74912-2 MS

Matrix: Water

Analysis Batch: 231815

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.00083		0.0327	0.0264		mg/L		81	41 - 120
Acenaphthylene	<0.00083		0.0327	0.0268		mg/L		82	47 - 112
Anthracene	<0.00083		0.0327	0.0283		mg/L		86	56 - 124
Benzo[a]anthracene	<0.00013		0.0327	0.0322		mg/L		98	60 - 122
Benzo[a]pyrene	<0.00017		0.0327	0.0291		mg/L		89	66 - 116
Benzo[b]fluoranthene	<0.00017		0.0327	0.0343		mg/L		105	66 - 120
Benzo[g,h,i]perylene	<0.00083		0.0327	0.0280		mg/L		86	42 - 164
Benzo[k]fluoranthene	<0.00017		0.0327	0.0252		mg/L		77	52 - 123
Bis(2-chloroethoxy)methane	<0.0017		0.0327	0.0291		mg/L		89	57 - 115
Bis(2-chloroethyl)ether	<0.0017		0.0327	0.0278		mg/L		85	50 - 105
Bis(2-ethylhexyl) phthalate	<0.0083		0.0327	0.0338		mg/L		103	69 - 123
4-Bromophenyl phenyl ether	<0.0041		0.0327	0.0277		mg/L		85	61 - 123
Butyl benzyl phthalate	<0.0017		0.0327	0.0327		mg/L		100	69 - 123
Carbazole	<0.0041		0.0327	0.0311		mg/L		95	63 - 135
4-Chloroaniline	<0.0083		0.0327	0.0246		mg/L		75	15 - 141
4-Chloro-3-methylphenol	<0.0083		0.0327	0.0288		mg/L		88	64 - 129
2-Chloronaphthalene	<0.0017		0.0327	0.0276		mg/L		84	40 - 114
2-Chlorophenol	<0.0041		0.0327	0.0279		mg/L		85	57 - 108
4-Chlorophenyl phenyl ether	<0.0041		0.0327	0.0269		mg/L		82	58 - 120
Chrysene	<0.00041		0.0327	0.0258		mg/L		79	59 - 126
Dibenz(a,h)anthracene	<0.00025		0.0327	0.0289		mg/L		88	53 - 149
Dibenzofuran	<0.0017		0.0327	0.0282		mg/L		86	54 - 120
1,2-Dichlorobenzene	<0.0017		0.0327	0.0228		mg/L		70	36 - 96
1,3-Dichlorobenzene	<0.0017		0.0327	0.0219		mg/L		67	31 - 95
1,4-Dichlorobenzene	<0.0017		0.0327	0.0227		mg/L		69	35 - 95
3,3'-Dichlorobenzidine	<0.0041		0.0327	0.0216		mg/L		66	49 - 127
2,4-Dichlorophenol	<0.0083		0.0327	0.0287		mg/L		88	61 - 122
Diethyl phthalate	<0.0017		0.0327	0.0342		mg/L		104	54 - 140
2,4-Dimethylphenol	<0.0083		0.0327	0.0208		mg/L		64	49 - 117
Dimethyl phthalate	<0.0017		0.0327	0.0309		mg/L		94	60 - 130
Di-n-butyl phthalate	<0.0041		0.0327	0.0320		mg/L		98	64 - 125
4,6-Dinitro-2-methylphenol	<0.017		0.0654	0.0563		mg/L		86	66 - 143
2,4-Dinitrophenol	<0.017		0.0654	0.0541		mg/L		83	47 - 161
2,4-Dinitrotoluene	<0.00083		0.0327	0.0303		mg/L		93	71 - 127
2,6-Dinitrotoluene	<0.00041		0.0327	0.0283		mg/L		87	67 - 124
Di-n-octyl phthalate	<0.0083		0.0327	0.0350		mg/L		107	62 - 132
Fluoranthene	<0.00083		0.0327	0.0291		mg/L		89	68 - 114
Fluorene	<0.00083		0.0327	0.0277		mg/L		85	50 - 125

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74912-2 MS

Matrix: Water

Analysis Batch: 231815

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	<0.00041		0.0327	0.0270		mg/L		83	59 - 122
Hexachlorobutadiene	<0.0041		0.0327	0.0193		mg/L		59	25 - 104
Hexachlorocyclopentadiene	<0.017		0.0327	0.0196		mg/L		60	14 - 106
Hexachloroethane	<0.0041		0.0327	0.0234		mg/L		71	25 - 96
Indeno[1,2,3-cd]pyrene	<0.00017		0.0327	0.0291		mg/L		89	53 - 151
Isophorone	<0.0017		0.0327	0.0278		mg/L		85	61 - 112
2-Methylnaphthalene	<0.00041		0.0327	0.0251		mg/L		77	35 - 113
2-Methylphenol	<0.0017		0.0327	0.0306		mg/L		94	54 - 109
3 & 4 Methylphenol	<0.0017		0.0327	0.0316		mg/L		97	54 - 107
Naphthalene	<0.00083		0.0327	0.0267		mg/L		82	41 - 106
2-Nitroaniline	<0.0041		0.0327	0.0322		mg/L		98	59 - 129
3-Nitroaniline	<0.0083		0.0327	0.0254		mg/L		78	53 - 126
4-Nitroaniline	<0.0083		0.0327	0.0290		mg/L		89	60 - 148
Nitrobenzene	<0.00083		0.0327	0.0316		mg/L		96	52 - 112
2-Nitrophenol	<0.0083		0.0327	0.0267		mg/L		81	62 - 117
4-Nitrophenol	<0.017		0.0654	0.0413		mg/L		63	35 - 112
N-Nitrosodi-n-propylamine	<0.00041		0.0327	0.0311		mg/L		95	47 - 113
N-Nitrosodiphenylamine	<0.00083		0.0327	0.0299		mg/L		91	50 - 117
2,2'-oxybis[1-chloropropane]	<0.0017		0.0327	0.0286		mg/L		87	24 - 115
Pentachlorophenol	<0.017		0.0654	0.0592		mg/L		90	55 - 129
Phenanthrene	<0.00083		0.0327	0.0286		mg/L		88	55 - 126
Phenol	<0.0041		0.0327	0.0197		mg/L		60	34 - 89
Pyrene	<0.00083		0.0327	0.0336		mg/L		103	62 - 118
1,2,4-Trichlorobenzene	<0.0017		0.0327	0.0222		mg/L		68	36 - 98
2,4,5-Trichlorophenol	<0.0083		0.0327	0.0320		mg/L		98	59 - 132
2,4,6-Trichlorophenol	<0.0041		0.0327	0.0297		mg/L		91	61 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	76		41 - 132
2-Fluorophenol	70		32 - 110
Nitrobenzene-d5	80		47 - 134
Phenol-d5	63		25 - 100
Terphenyl-d14	69		59 - 150
2,4,6-Tribromophenol	88		53 - 150

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231815

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	<0.00083		0.0330	0.0268		mg/L		81	41 - 120	1	20
Acenaphthylene	<0.00083		0.0330	0.0278		mg/L		84	47 - 112	4	20
Anthracene	<0.00083		0.0330	0.0312		mg/L		95	56 - 124	10	20
Benzo[a]anthracene	<0.00013		0.0330	0.0349		mg/L		106	60 - 122	8	20
Benzo[a]pyrene	<0.00017		0.0330	0.0303		mg/L		92	66 - 116	4	20
Benzo[b]fluoranthene	<0.00017		0.0330	0.0352		mg/L		107	66 - 120	3	20
Benzo[g,h,i]perylene	<0.00083		0.0330	0.0295		mg/L		89	42 - 164	5	20
Benzo[k]fluoranthene	<0.00017		0.0330	0.0233		mg/L		71	52 - 123	8	20

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231815

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	<0.0017		0.0330	0.0283		mg/L		86	57 - 115	3	20
Bis(2-chloroethyl)ether	<0.0017		0.0330	0.0283		mg/L		86	50 - 105	2	20
Bis(2-ethylhexyl) phthalate	<0.0083		0.0330	0.0368		mg/L		112	69 - 123	8	20
4-Bromophenyl phenyl ether	<0.0041		0.0330	0.0299		mg/L		91	61 - 123	8	20
Butyl benzyl phthalate	<0.0017		0.0330	0.0359		mg/L		109	69 - 123	9	20
Carbazole	<0.0041		0.0330	0.0342		mg/L		103	63 - 135	9	20
4-Chloroaniline	<0.0083		0.0330	0.0261		mg/L		79	15 - 141	6	20
4-Chloro-3-methylphenol	<0.0083		0.0330	0.0292		mg/L		88	64 - 129	1	20
2-Chloronaphthalene	<0.0017		0.0330	0.0283		mg/L		86	40 - 114	2	20
2-Chlorophenol	<0.0041		0.0330	0.0285		mg/L		86	57 - 108	2	20
4-Chlorophenyl phenyl ether	<0.0041		0.0330	0.0276		mg/L		83	58 - 120	2	20
Chrysene	<0.00041		0.0330	0.0294		mg/L		89	59 - 126	13	20
Dibenz(a,h)anthracene	<0.00025		0.0330	0.0299		mg/L		91	53 - 149	3	20
Dibenzofuran	<0.0017		0.0330	0.0290		mg/L		88	54 - 120	3	20
1,2-Dichlorobenzene	<0.0017		0.0330	0.0233		mg/L		70	36 - 96	2	20
1,3-Dichlorobenzene	<0.0017		0.0330	0.0214		mg/L		65	31 - 95	2	20
1,4-Dichlorobenzene	<0.0017		0.0330	0.0233		mg/L		70	35 - 95	2	20
3,3'-Dichlorobenzidine	<0.0041		0.0330	0.0237		mg/L		72	49 - 127	9	20
2,4-Dichlorophenol	<0.0083		0.0330	0.0290		mg/L		88	61 - 122	1	20
Diethyl phthalate	<0.0017		0.0330	0.0356		mg/L		108	54 - 140	4	20
2,4-Dimethylphenol	<0.0083		0.0330	0.0240		mg/L		73	49 - 117	14	20
Dimethyl phthalate	<0.0017		0.0330	0.0317		mg/L		96	60 - 130	3	20
Di-n-butyl phthalate	<0.0041		0.0330	0.0351		mg/L		106	64 - 125	9	20
4,6-Dinitro-2-methylphenol	<0.017		0.0661	0.0638		mg/L		97	66 - 143	13	20
2,4-Dinitrophenol	<0.017		0.0661	0.0577		mg/L		87	47 - 161	6	20
2,4-Dinitrotoluene	<0.00083		0.0330	0.0323		mg/L		98	71 - 127	6	20
2,6-Dinitrotoluene	<0.00041		0.0330	0.0286		mg/L		87	67 - 124	1	20
Di-n-octyl phthalate	<0.0083		0.0330	0.0381		mg/L		115	62 - 132	9	20
Fluoranthene	<0.00083		0.0330	0.0331		mg/L		100	68 - 114	13	20
Fluorene	<0.00083		0.0330	0.0290		mg/L		88	50 - 125	5	20
Hexachlorobenzene	<0.00041		0.0330	0.0288		mg/L		87	59 - 122	6	20
Hexachlorobutadiene	<0.0041		0.0330	0.0200		mg/L		61	25 - 104	4	20
Hexachlorocyclopentadiene	<0.017		0.0330	0.0206		mg/L		62	14 - 106	5	20
Hexachloroethane	<0.0041		0.0330	0.0239		mg/L		72	25 - 96	2	20
Indeno[1,2,3-cd]pyrene	<0.00017		0.0330	0.0310		mg/L		94	53 - 151	7	20
Isophorone	<0.0017		0.0330	0.0279		mg/L		85	61 - 112	0	20
2-Methylnaphthalene	<0.00041		0.0330	0.0247		mg/L		75	35 - 113	2	20
2-Methylphenol	<0.0017		0.0330	0.0315		mg/L		95	54 - 109	3	20
3 & 4 Methylphenol	<0.0017		0.0330	0.0308		mg/L		93	54 - 107	3	20
Naphthalene	<0.00083		0.0330	0.0270		mg/L		82	41 - 106	1	20
2-Nitroaniline	<0.0041		0.0330	0.0321		mg/L		97	59 - 129	0	20
3-Nitroaniline	<0.0083		0.0330	0.0274		mg/L		83	53 - 126	8	20
4-Nitroaniline	<0.0083		0.0330	0.0322		mg/L		97	60 - 148	10	20
Nitrobenzene	<0.00083		0.0330	0.0320		mg/L		97	52 - 112	1	20
2-Nitrophenol	<0.0083		0.0330	0.0285		mg/L		86	62 - 117	7	20
4-Nitrophenol	<0.017		0.0661	0.0483		mg/L		73	35 - 112	16	20
N-Nitrosodi-n-propylamine	<0.00041		0.0330	0.0312		mg/L		95	47 - 113	1	20
N-Nitrosodiphenylamine	<0.00083		0.0330	0.0323		mg/L		98	50 - 117	8	20

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231815

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	<0.0017		0.0330	0.0295		mg/L		89	24 - 115	3	20
Pentachlorophenol	<0.017		0.0661	0.0653		mg/L		99	55 - 129	10	20
Phenanthrene	<0.00083		0.0330	0.0310		mg/L		94	55 - 126	8	20
Phenol	<0.0041		0.0330	0.0208		mg/L		63	34 - 89	5	20
Pyrene	<0.00083		0.0330	0.0372		mg/L		113	62 - 118	10	20
1,2,4-Trichlorobenzene	<0.0017		0.0330	0.0221		mg/L		67	36 - 98	0	20
2,4,5-Trichlorophenol	<0.0083		0.0330	0.0332		mg/L		101	59 - 132	4	20
2,4,6-Trichlorophenol	<0.0041		0.0330	0.0310		mg/L		94	61 - 125	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	79		41 - 132
2-Fluorophenol	74		32 - 110
Nitrobenzene-d5	84		47 - 134
Phenol-d5	64		25 - 100
Terphenyl-d14	77		59 - 150
2,4,6-Tribromophenol	90		53 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-231153/1-A

Matrix: Water

Analysis Batch: 231336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 231153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0050		0.0050	0.0023	mg/L		04/11/14 07:30	04/11/14 14:19	1

Lab Sample ID: LCS 500-231153/2-A

Matrix: Water

Analysis Batch: 231336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 231153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.0970		mg/L		97	80 - 120

Lab Sample ID: 500-74912-2 MS

Matrix: Water

Analysis Batch: 231336

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231153

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.020		0.100	0.114		mg/L		94	75 - 125

Lab Sample ID: 500-74912-2 MSD

Matrix: Water

Analysis Batch: 231336

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231153

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.020		0.100	0.124		mg/L		104	75 - 125	8	20

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-74912-2 DU

Matrix: Water

Analysis Batch: 231336

Client Sample ID: GW-MW13-140409

Prep Type: Total/NA

Prep Batch: 231153

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.020		0.0242		mg/L		20	20

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW12-140409

Date Collected: 04/09/14 10:55

Date Received: 04/10/14 11:35

Lab Sample ID: 500-74912-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	231435	04/15/14 04:28	BBS	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 16:41	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:14	LEG	TAL CHI

Client Sample ID: GW-MW13-140409

Date Collected: 04/09/14 13:50

Date Received: 04/10/14 11:35

Lab Sample ID: 500-74912-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	231285	04/13/14 14:45	JLH	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 17:04	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:18	LEG	TAL CHI

Client Sample ID: GW-MW14-140409

Date Collected: 04/09/14 12:00

Date Received: 04/10/14 11:35

Lab Sample ID: 500-74912-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	2	231285	04/13/14 15:12	JLH	TAL CHI
Total/NA	Analysis	8260B		1	231435	04/15/14 04:56	BBS	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 18:16	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:46	LEG	TAL CHI

Client Sample ID: GW-MW15-140409

Date Collected: 04/09/14 09:20

Date Received: 04/10/14 11:35

Lab Sample ID: 500-74912-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	231285	04/13/14 15:40	JLH	TAL CHI
Total/NA	Analysis	8260B	DL	20	231285	04/13/14 16:07	JLH	TAL CHI
Total/NA	Prep	3510C	DL		231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D	DL	5	231967	04/17/14 17:54	WDS	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 18:39	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:50	LEG	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Client Sample ID: GW-MW14-140409D

Lab Sample ID: 500-74912-5

Date Collected: 04/09/14 12:00

Matrix: Water

Date Received: 04/10/14 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	2	231285	04/13/14 16:34	JLH	TAL CHI
Total/NA	Analysis	8260B		1	231435	04/15/14 05:23	BBS	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 19:03	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:54	LEG	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-74912-6

Date Collected: 04/09/14 00:00

Matrix: Water

Date Received: 04/10/14 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	231285	04/13/14 17:02	JLH	TAL CHI

Client Sample ID: FB-MW12-140409

Lab Sample ID: 500-74912-7

Date Collected: 04/09/14 10:00

Matrix: Water

Date Received: 04/10/14 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	231285	04/13/14 17:29	JLH	TAL CHI
Total/NA	Prep	3510C			231145	04/11/14 09:56	AAS	TAL CHI
Total/NA	Analysis	8270D		1	231815	04/16/14 19:27	WDS	TAL CHI
Total/NA	Prep	3010A			231153	04/11/14 07:30	MJP	TAL CHI
Total/NA	Analysis	6010B		1	231336	04/11/14 15:58	LEG	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-74912-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,3-Dichloropropene, Total

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60468
Phone: 708.534.5200 Fax: 708.534.5



500-74912 COC

Report To (optional)
Contact: Chris Albrecht
Company: CDM Smith
Address: 125 S. Wacker Dr
Address: Ste 600
Phone: 312-346-5800
Fax: cdmSmith.com
E-Mail: Albrecht.ca@cdm.com

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference:

Chain of Custody Record

Lab Job #: 500-74912

Chain of Custody Number: _____

Page 1 of 1

Temperature °C of Cooler: 42

Client		Client Project #		Preservative		Parameter		Preservative Key	
CDM Smith		101127		1 7 3				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampler		Lab PM		Comments	
Wedron, IL		H10 101127-OP.TEST		Wedron, IL					
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Lead
1	*	GW-MW12-140409	4/9/14	1055	6	W	X	X	X
2	X	GW-MW13-140409		1350	6	W	X	X	X
3		GW-MW14-140409		1200	6	W	X	X	X
4		GW-MW15-140409		0920	6	W	X	X	X
5		GW-MW14-140409 D		1200	6	W	X	X	X
6		TRIP BLANK-			2	W	X		
7		FB-MW12-140409	4/9/14	1000	6	W	X	X	X

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Chris Albrecht</u>	Company: <u>CDM Smith</u>	Date: <u>4/10/14</u>	Time: <u>9:05</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>4/10/14</u>	Time: <u>09:05</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>4/10/14</u>	Time: <u>11:35</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CPI</u>	Date: <u>4/10/14</u>	Time: <u>11:35</u>

Lab Courier	<u>TA</u>
Shipped	
Hand Delivered	

Matrix Key
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 Wf - Wipe
 DW - Drinking Water
 O - Other

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 500-74912-1

Login Number: 74912

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CDM Smith 2015 Data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-92817-1

Client Project/Site: 3450 E 2056th Wedron IL

For:

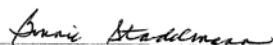
CDM Smith, Inc.

125 South Wacker Drive

Suite 600

Chicago, Illinois 60606

Attn: Chris Albrecht



Authorized for release by:

3/18/2015 9:02:17 AM

Bonnie Stadelmann, Senior Project Manager

(708)534-5200

bonnie.stadelmann@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Job ID: 500-92817-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-92817-1

Comments

No additional comments.

Receipt

The samples were received on 3/4/2015 7:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.1° C.

GC/MS VOA

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: GP-17A-150303 (500-92817-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: GP-21B-150303 (500-92817-15). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-16A-150303

Lab Sample ID: 500-92817-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0061	J	0.035	0.0047	mg/Kg	1		✱	8270D	Total/NA
Fluoranthene	0.0070	J	0.035	0.0065	mg/Kg	1		✱	8270D	Total/NA
Naphthalene	0.047		0.035	0.0054	mg/Kg	1		✱	8270D	Total/NA
Phenanthrene	0.027	J	0.035	0.0049	mg/Kg	1		✱	8270D	Total/NA
Pyrene	0.0081	J	0.035	0.0070	mg/Kg	1		✱	8270D	Total/NA
Lead	7.7		0.49	0.25	mg/Kg	1		✱	6010B	Total/NA
pH	7.63		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: GP-16A-150303D

Lab Sample ID: 500-92817-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Naphthalene	0.033	J	0.034	0.0053	mg/Kg	1		✱	8270D	Total/NA
Phenanthrene	0.025	J	0.034	0.0048	mg/Kg	1		✱	8270D	Total/NA
Pyrene	0.0070	J	0.034	0.0069	mg/Kg	1		✱	8270D	Total/NA
Lead	6.1		0.48	0.24	mg/Kg	1		✱	6010B	Total/NA
pH	7.39		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: GP-16B-150303

Lab Sample ID: 500-92817-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0088	J	0.038	0.0052	mg/Kg	1		✱	8270D	Total/NA
Benzo[b]fluoranthene	0.0084	J	0.038	0.0083	mg/Kg	1		✱	8270D	Total/NA
Fluoranthene	0.011	J	0.038	0.0072	mg/Kg	1		✱	8270D	Total/NA
Naphthalene	0.056		0.038	0.0059	mg/Kg	1		✱	8270D	Total/NA
Phenanthrene	0.037	J	0.038	0.0054	mg/Kg	1		✱	8270D	Total/NA
Pyrene	0.012	J	0.038	0.0077	mg/Kg	1		✱	8270D	Total/NA
Lead	11		0.54	0.27	mg/Kg	1		✱	6010B	Total/NA
pH	7.85		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: GP-17A-150303

Lab Sample ID: 500-92817-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Toluene	0.014	J	0.016	0.0075	mg/Kg	50		✱	8260B	Total/NA
Xylenes, Total	0.033		0.032	0.0044	mg/Kg	50		✱	8260B	Total/NA
Anthracene	0.010	J F1	0.038	0.0065	mg/Kg	1		✱	8270D	Total/NA
Benzo[a]anthracene	0.026	J F1	0.038	0.0052	mg/Kg	1		✱	8270D	Total/NA
Benzo[a]pyrene	0.018	J F1	0.038	0.0075	mg/Kg	1		✱	8270D	Total/NA
Benzo[b]fluoranthene	0.019	J F1	0.038	0.0083	mg/Kg	1		✱	8270D	Total/NA
Benzo[g,h,i]perylene	0.025	J F1	0.038	0.012	mg/Kg	1		✱	8270D	Total/NA
Benzo[k]fluoranthene	0.013	J F1	0.038	0.011	mg/Kg	1		✱	8270D	Total/NA
Chrysene	0.032	J F1	0.038	0.011	mg/Kg	1		✱	8270D	Total/NA
Fluoranthene	0.035	J F1	0.038	0.0072	mg/Kg	1		✱	8270D	Total/NA
Naphthalene	0.030	J F1	0.038	0.0059	mg/Kg	1		✱	8270D	Total/NA
Phenanthrene	0.051	F1	0.038	0.0054	mg/Kg	1		✱	8270D	Total/NA
Pyrene	0.042	F1	0.038	0.0077	mg/Kg	1		✱	8270D	Total/NA
Lead	18	F1 F2	0.57	0.29	mg/Kg	1		✱	6010B	Total/NA
pH	7.35		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: GP-17B-150303

Lab Sample ID: 500-92817-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-17B-150303 (Continued)

Lab Sample ID: 500-92817-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.2		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
pH	7.64		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-18A-150303

Lab Sample ID: 500-92817-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.031	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.089		0.037	0.0063	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.19		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.15		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.23		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.11		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.12		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.21		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.035	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.46		0.037	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0079	J	0.037	0.0053	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.093		0.037	0.0098	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.11		0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.68		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.34		0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Lead	44		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
pH	7.84		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-18B-150303

Lab Sample ID: 500-92817-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.011	J	0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.013	J	0.035	0.0077	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.012	J	0.035	0.0097	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.012	J	0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.015	J	0.035	0.0071	mg/Kg	1	☼	8270D	Total/NA
Lead	7.7		0.50	0.25	mg/Kg	1	☼	6010B	Total/NA
pH	6.45		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-19A-150303

Lab Sample ID: 500-92817-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.017	J	0.037	0.0049	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.032	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.037		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.049		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.13		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.073		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.057		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.070		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.021	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.064		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.059		0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-19A-150303 (Continued)

Lab Sample ID: 500-92817-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.0069	J	0.037	0.0057	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.025	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.062		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Lead	12		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
pH	6.78		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-19B-150303

Lab Sample ID: 500-92817-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.020	J	0.040	0.0072	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0084	J	0.040	0.0053	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.040		0.040	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.19		0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.20		0.040	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.26		0.040	0.0086	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.12		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.12		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.20		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.045		0.040	0.0077	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.28		0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.013	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.026	J	0.040	0.0061	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.20		0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.25		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Lead	120		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
pH	6.86		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: Trip Blank B

Lab Sample ID: 500-92817-10

No Detections.

Client Sample ID: GP-20A-150303

Lab Sample ID: 500-92817-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.032	J	0.038	0.0069	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.020	J	0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.14		0.038	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.73		0.038	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.68		0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.90		0.038	0.0083	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.33		0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.39		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.76		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.13		0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	1.5		0.038	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.023	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.30		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.11		0.038	0.0059	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.83		0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	1.1		0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-20A-150303 (Continued)

Lab Sample ID: 500-92817-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
pH	6.76		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-20B-150303

Lab Sample ID: 500-92817-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0072	J	0.040	0.0053	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.028	J	0.040	0.0067	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.099		0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.080		0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.11		0.040	0.0086	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.055		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.053		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.10		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.010	J	0.040	0.0077	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.14		0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.048		0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.032	J	0.040	0.0062	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.16		0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.13		0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Lead	95		0.61	0.30	mg/Kg	1	☼	6010B	Total/NA
pH	7.45		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-21A-150303

Lab Sample ID: 500-92817-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0093	J	0.035	0.0064	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0071	J	0.035	0.0047	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.025	J	0.035	0.0060	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.13		0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.14		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.17		0.035	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.10		0.035	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.087		0.035	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.14		0.035	0.0097	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.037		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.21		0.035	0.0066	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0066	J	0.035	0.0050	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.081		0.035	0.0092	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.026	J	0.035	0.0055	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.13		0.035	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.17		0.035	0.0071	mg/Kg	1	☼	8270D	Total/NA
Lead	110		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
pH	7.42		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: GP-21A-150303D

Lab Sample ID: 500-92817-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0072	J	0.034	0.0046	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.022	J	0.034	0.0058	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-21A-150303D (Continued)

Lab Sample ID: 500-92817-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.088		0.034	0.0047	mg/Kg	1		✱	8270D	Total/NA
Benzo[a]pyrene	0.089		0.034	0.0067	mg/Kg	1		✱	8270D	Total/NA
Benzo[b]fluoranthene	0.11		0.034	0.0075	mg/Kg	1		✱	8270D	Total/NA
Benzo[g,h,i]perylene	0.073		0.034	0.011	mg/Kg	1		✱	8270D	Total/NA
Benzo[k]fluoranthene	0.041		0.034	0.010	mg/Kg	1		✱	8270D	Total/NA
Chrysene	0.10		0.034	0.0095	mg/Kg	1		✱	8270D	Total/NA
Fluoranthene	0.14		0.034	0.0064	mg/Kg	1		✱	8270D	Total/NA
Fluorene	0.0052	J	0.034	0.0049	mg/Kg	1		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.054		0.034	0.0090	mg/Kg	1		✱	8270D	Total/NA
Naphthalene	0.024	J	0.034	0.0053	mg/Kg	1		✱	8270D	Total/NA
Phenanthrene	0.13		0.034	0.0048	mg/Kg	1		✱	8270D	Total/NA
Pyrene	0.11		0.034	0.0069	mg/Kg	1		✱	8270D	Total/NA
Lead	120		0.55	0.27	mg/Kg	1		✱	6010B	Total/NA
pH	7.59		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: GP-21B-150303

Lab Sample ID: 500-92817-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	0.028	J	0.20	0.027	mg/Kg	5		✱	8270D	Total/NA
Anthracene	0.12	J	0.20	0.034	mg/Kg	5		✱	8270D	Total/NA
Benzo[a]anthracene	0.25		0.20	0.027	mg/Kg	5		✱	8270D	Total/NA
Benzo[a]pyrene	0.17	J	0.20	0.039	mg/Kg	5		✱	8270D	Total/NA
Benzo[b]fluoranthene	0.21		0.20	0.044	mg/Kg	5		✱	8270D	Total/NA
Benzo[g,h,i]perylene	0.20		0.20	0.065	mg/Kg	5		✱	8270D	Total/NA
Benzo[k]fluoranthene	0.12	J	0.20	0.060	mg/Kg	5		✱	8270D	Total/NA
Chrysene	0.29		0.20	0.055	mg/Kg	5		✱	8270D	Total/NA
Fluoranthene	0.37		0.20	0.038	mg/Kg	5		✱	8270D	Total/NA
Fluorene	0.035	J	0.20	0.029	mg/Kg	5		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.10	J	0.20	0.053	mg/Kg	5		✱	8270D	Total/NA
Naphthalene	0.063	J	0.20	0.031	mg/Kg	5		✱	8270D	Total/NA
Phenanthrene	0.52		0.20	0.028	mg/Kg	5		✱	8270D	Total/NA
Pyrene	0.39		0.20	0.040	mg/Kg	5		✱	8270D	Total/NA
Lead	150		0.60	0.30	mg/Kg	1		✱	6010B	Total/NA
pH	7.30		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: Trip Blank A

Lab Sample ID: 500-92817-16

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Priority Pollutants	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-92817-1	GP-16A-150303	Solid	03/03/15 09:00	03/04/15 07:30
500-92817-2	GP-16A-150303D	Solid	03/03/15 09:05	03/04/15 07:30
500-92817-3	GP-16B-150303	Solid	03/03/15 09:20	03/04/15 07:30
500-92817-4	GP-17A-150303	Solid	03/03/15 10:00	03/04/15 07:30
500-92817-5	GP-17B-150303	Solid	03/03/15 10:15	03/04/15 07:30
500-92817-6	GP-18A-150303	Solid	03/03/15 10:50	03/04/15 07:30
500-92817-7	GP-18B-150303	Solid	03/03/15 11:00	03/04/15 07:30
500-92817-8	GP-19A-150303	Solid	03/03/15 11:35	03/04/15 07:30
500-92817-9	GP-19B-150303	Solid	03/03/15 11:45	03/04/15 07:30
500-92817-10	Trip Blank B	Water	03/03/15 00:00	03/04/15 07:30
500-92817-11	GP-20A-150303	Solid	03/03/15 12:55	03/04/15 07:30
500-92817-12	GP-20B-150303	Solid	03/03/15 13:00	03/04/15 07:30
500-92817-13	GP-21A-150303	Solid	03/03/15 13:35	03/04/15 07:30
500-92817-14	GP-21A-150303D	Solid	03/03/15 13:40	03/04/15 07:30
500-92817-15	GP-21B-150303	Solid	03/03/15 13:45	03/04/15 07:30
500-92817-16	Trip Blank A	Water	03/03/15 00:00	03/04/15 07:30

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-16A-150303

Lab Sample ID: 500-92817-1

Date Collected: 03/03/15 09:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 93.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0062		0.0062	0.00085	mg/Kg	☼	03/04/15 08:40	03/10/15 10:42	1
Ethylbenzene	<0.0062		0.0062	0.0013	mg/Kg	☼	03/04/15 08:40	03/10/15 10:42	1
Toluene	<0.0062		0.0062	0.00087	mg/Kg	☼	03/04/15 08:40	03/10/15 10:42	1
Xylenes, Total	<0.012		0.012	0.00056	mg/Kg	☼	03/04/15 08:40	03/10/15 10:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122				03/04/15 08:40	03/10/15 10:42	1
Dibromofluoromethane	90		75 - 120				03/04/15 08:40	03/10/15 10:42	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134				03/04/15 08:40	03/10/15 10:42	1
Toluene-d8 (Surr)	98		75 - 122				03/04/15 08:40	03/10/15 10:42	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Anthracene	<0.035		0.035	0.0058	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Benzo[a]anthracene	0.0061	J	0.035	0.0047	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Chrysene	<0.035		0.035	0.0095	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Fluoranthene	0.0070	J	0.035	0.0065	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Fluorene	<0.035		0.035	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Naphthalene	0.047		0.035	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Phenanthrene	0.027	J	0.035	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Pyrene	0.0081	J	0.035	0.0070	mg/Kg	☼	03/11/15 16:03	03/16/15 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	31		25 - 119				03/11/15 16:03	03/16/15 17:47	1
Nitrobenzene-d5	32		25 - 115				03/11/15 16:03	03/16/15 17:47	1
Terphenyl-d14	49		36 - 134				03/11/15 16:03	03/16/15 17:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		0.49	0.25	mg/Kg	☼	03/10/15 17:35	03/13/15 01:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.63		0.200	0.200	SU	-		03/06/15 10:00	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-16A-150303D

Lab Sample ID: 500-92817-2

Date Collected: 03/03/15 09:05

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 94.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0051		0.0051	0.00070	mg/Kg	☼	03/04/15 08:40	03/10/15 11:06	1
Ethylbenzene	<0.0051		0.0051	0.0010	mg/Kg	☼	03/04/15 08:40	03/10/15 11:06	1
Toluene	<0.0051		0.0051	0.00071	mg/Kg	☼	03/04/15 08:40	03/10/15 11:06	1
Xylenes, Total	<0.010		0.010	0.00046	mg/Kg	☼	03/04/15 08:40	03/10/15 11:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122				03/04/15 08:40	03/10/15 11:06	1
Dibromofluoromethane	93		75 - 120				03/04/15 08:40	03/10/15 11:06	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 134				03/04/15 08:40	03/10/15 11:06	1
Toluene-d8 (Surr)	100		75 - 122				03/04/15 08:40	03/10/15 11:06	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Benzo[a]anthracene	<0.034		0.034	0.0047	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Benzo[a]pyrene	<0.034		0.034	0.0067	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Benzo[b]fluoranthene	<0.034		0.034	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Chrysene	<0.034		0.034	0.0094	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0090	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Naphthalene	0.033	J	0.034	0.0053	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Phenanthrene	0.025	J	0.034	0.0048	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Pyrene	0.0070	J	0.034	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	33		25 - 119				03/11/15 16:03	03/16/15 18:09	1
Nitrobenzene-d5	34		25 - 115				03/11/15 16:03	03/16/15 18:09	1
Terphenyl-d14	51		36 - 134				03/11/15 16:03	03/16/15 18:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		0.48	0.24	mg/Kg	☼	03/10/15 17:35	03/13/15 01:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.39		0.200	0.200	SU	-		03/06/15 10:06	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-16B-150303

Lab Sample ID: 500-92817-3

Date Collected: 03/03/15 09:20

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 85.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0052		0.0052	0.00071	mg/Kg	☼	03/04/15 08:40	03/10/15 11:31	1
Ethylbenzene	<0.0052		0.0052	0.0010	mg/Kg	☼	03/04/15 08:40	03/10/15 11:31	1
Toluene	<0.0052		0.0052	0.00072	mg/Kg	☼	03/04/15 08:40	03/10/15 11:31	1
Xylenes, Total	<0.010		0.010	0.00047	mg/Kg	☼	03/04/15 08:40	03/10/15 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122				03/04/15 08:40	03/10/15 11:31	1
Dibromofluoromethane	92		75 - 120				03/04/15 08:40	03/10/15 11:31	1
1,2-Dichloroethane-d4 (Surr)	121		70 - 134				03/04/15 08:40	03/10/15 11:31	1
Toluene-d8 (Surr)	99		75 - 122				03/04/15 08:40	03/10/15 11:31	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Benzo[a]anthracene	0.0088	J	0.038	0.0052	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Benzo[b]fluoranthene	0.0084	J	0.038	0.0083	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Dibenz[a,h]anthracene	<0.038		0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Fluoranthene	0.011	J	0.038	0.0072	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Naphthalene	0.056		0.038	0.0059	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Phenanthrene	0.037	J	0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Pyrene	0.012	J	0.038	0.0077	mg/Kg	☼	03/11/15 16:03	03/16/15 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	35		25 - 119				03/11/15 16:03	03/16/15 18:31	1
Nitrobenzene-d5	36		25 - 115				03/11/15 16:03	03/16/15 18:31	1
Terphenyl-d14	54		36 - 134				03/11/15 16:03	03/16/15 18:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.54	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 01:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.85		0.200	0.200	SU	-		03/06/15 10:11	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-17A-150303

Lab Sample ID: 500-92817-4

Date Collected: 03/03/15 10:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.016		0.016	0.0048	mg/Kg	☼	03/03/15 10:00	03/06/15 18:25	50
Ethylbenzene	<0.016		0.016	0.0082	mg/Kg	☼	03/03/15 10:00	03/06/15 18:25	50
Toluene	0.014	J	0.016	0.0075	mg/Kg	☼	03/03/15 10:00	03/06/15 18:25	50
Xylenes, Total	0.033		0.032	0.0044	mg/Kg	☼	03/03/15 10:00	03/06/15 18:25	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120				03/03/15 10:00	03/06/15 18:25	50
Dibromofluoromethane	84		75 - 120				03/03/15 10:00	03/06/15 18:25	50
1,2-Dichloroethane-d4 (Surr)	101		75 - 125				03/03/15 10:00	03/06/15 18:25	50
Toluene-d8 (Surr)	97		75 - 120				03/03/15 10:00	03/06/15 18:25	50

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038	F1	0.038	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Acenaphthylene	<0.038	F1	0.038	0.0051	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Anthracene	0.010	J F1	0.038	0.0065	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Benzo[a]anthracene	0.026	J F1	0.038	0.0052	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Benzo[a]pyrene	0.018	J F1	0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Benzo[b]fluoranthene	0.019	J F1	0.038	0.0083	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Benzo[g,h,i]perylene	0.025	J F1	0.038	0.012	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Benzo[k]fluoranthene	0.013	J F1	0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Chrysene	0.032	J F1	0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Dibenz(a,h)anthracene	<0.038	F1	0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Fluoranthene	0.035	J F1	0.038	0.0072	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Fluorene	<0.038	F1	0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Indeno[1,2,3-cd]pyrene	<0.038	F1	0.038	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Naphthalene	0.030	J F1	0.038	0.0059	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Phenanthrene	0.051	F1	0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Pyrene	0.042	F1	0.038	0.0077	mg/Kg	☼	03/11/15 16:03	03/16/15 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	43		25 - 119				03/11/15 16:03	03/16/15 18:53	1
Nitrobenzene-d5	37		25 - 115				03/11/15 16:03	03/16/15 18:53	1
Terphenyl-d14	53		36 - 134				03/11/15 16:03	03/16/15 18:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18	F1 F2	0.57	0.29	mg/Kg	☼	03/10/15 17:35	03/13/15 01:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.35		0.200	0.200	SU	—		03/06/15 10:17	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-17B-150303

Lab Sample ID: 500-92817-5

Date Collected: 03/03/15 10:15

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0042		0.0042	0.00058	mg/Kg	☼	03/04/15 08:40	03/10/15 11:55	1
Ethylbenzene	<0.0042		0.0042	0.00086	mg/Kg	☼	03/04/15 08:40	03/10/15 11:55	1
Toluene	<0.0042		0.0042	0.00059	mg/Kg	☼	03/04/15 08:40	03/10/15 11:55	1
Xylenes, Total	<0.0085		0.0085	0.00038	mg/Kg	☼	03/04/15 08:40	03/10/15 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122				03/04/15 08:40	03/10/15 11:55	1
Dibromofluoromethane	91		75 - 120				03/04/15 08:40	03/10/15 11:55	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134				03/04/15 08:40	03/10/15 11:55	1
Toluene-d8 (Surr)	99		75 - 122				03/04/15 08:40	03/10/15 11:55	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Benzo[a]anthracene	<0.035		0.035	0.0047	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Chrysene	<0.035		0.035	0.0096	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Fluoranthene	<0.035		0.035	0.0065	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Naphthalene	<0.035		0.035	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Pyrene	<0.035		0.035	0.0070	mg/Kg	☼	03/11/15 16:03	03/16/15 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	39		25 - 119				03/11/15 16:03	03/16/15 17:03	1
Nitrobenzene-d5	43		25 - 115				03/11/15 16:03	03/16/15 17:03	1
Terphenyl-d14	60		36 - 134				03/11/15 16:03	03/16/15 17:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.2		0.54	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 01:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.64		0.200	0.200	SU	—		03/06/15 10:23	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-18A-150303

Lab Sample ID: 500-92817-6

Date Collected: 03/03/15 10:50

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0059		0.0059	0.00081	mg/Kg	☼	03/04/15 08:40	03/10/15 12:19	1
Ethylbenzene	<0.0059		0.0059	0.0012	mg/Kg	☼	03/04/15 08:40	03/10/15 12:19	1
Toluene	<0.0059		0.0059	0.00083	mg/Kg	☼	03/04/15 08:40	03/10/15 12:19	1
Xylenes, Total	<0.012		0.012	0.00054	mg/Kg	☼	03/04/15 08:40	03/10/15 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	03/04/15 08:40	03/10/15 12:19	1
Dibromofluoromethane	93		75 - 120	03/04/15 08:40	03/10/15 12:19	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	03/04/15 08:40	03/10/15 12:19	1
Toluene-d8 (Surr)	101		75 - 122	03/04/15 08:40	03/10/15 12:19	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Acenaphthylene	0.031	J	0.037	0.0050	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Anthracene	0.089		0.037	0.0063	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Benzo[a]anthracene	0.19		0.037	0.0051	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Benzo[a]pyrene	0.15		0.037	0.0073	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Benzo[b]fluoranthene	0.23		0.037	0.0081	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Benzo[g,h,i]perylene	0.11		0.037	0.012	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Benzo[k]fluoranthene	0.12		0.037	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Chrysene	0.21		0.037	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Dibenz(a,h)anthracene	0.035	J	0.037	0.0073	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Fluoranthene	0.46		0.037	0.0070	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Fluorene	0.0079	J	0.037	0.0053	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Indeno[1,2,3-cd]pyrene	0.093		0.037	0.0098	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Naphthalene	0.11		0.037	0.0058	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Phenanthrene	0.68		0.037	0.0052	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1
Pyrene	0.34		0.037	0.0075	mg/Kg	☼	03/11/15 16:03	03/16/15 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	43		25 - 119	03/11/15 16:03	03/16/15 19:59	1
Nitrobenzene-d5	38		25 - 115	03/11/15 16:03	03/16/15 19:59	1
Terphenyl-d14	62		36 - 134	03/11/15 16:03	03/16/15 19:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	44		0.55	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 01:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.84		0.200	0.200	SU	-		03/06/15 10:28	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-18B-150303

Lab Sample ID: 500-92817-7

Date Collected: 03/03/15 11:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0054		0.0054	0.00074	mg/Kg	☼	03/04/15 08:40	03/10/15 12:43	1
Ethylbenzene	<0.0054		0.0054	0.0011	mg/Kg	☼	03/04/15 08:40	03/10/15 12:43	1
Toluene	<0.0054		0.0054	0.00076	mg/Kg	☼	03/04/15 08:40	03/10/15 12:43	1
Xylenes, Total	<0.011		0.011	0.00049	mg/Kg	☼	03/04/15 08:40	03/10/15 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	03/04/15 08:40	03/10/15 12:43	1
Dibromofluoromethane	91		75 - 120	03/04/15 08:40	03/10/15 12:43	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/04/15 08:40	03/10/15 12:43	1
Toluene-d8 (Surr)	100		75 - 122	03/04/15 08:40	03/10/15 12:43	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Benzo[a]anthracene	0.011	J	0.035	0.0048	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Benzo[a]pyrene	0.011	J	0.035	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Benzo[b]fluoranthene	0.013	J	0.035	0.0077	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Chrysene	0.012	J	0.035	0.0097	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Fluoranthene	0.012	J	0.035	0.0066	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Phenanthrene	<0.035		0.035	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1
Pyrene	0.015	J	0.035	0.0071	mg/Kg	☼	03/11/15 16:03	03/16/15 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	40		25 - 119	03/11/15 16:03	03/16/15 17:25	1
Nitrobenzene-d5	46		25 - 115	03/11/15 16:03	03/16/15 17:25	1
Terphenyl-d14	61		36 - 134	03/11/15 16:03	03/16/15 17:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		0.50	0.25	mg/Kg	☼	03/10/15 17:35	03/13/15 01:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.45		0.200	0.200	SU	-		03/06/15 10:34	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-19A-150303

Lab Sample ID: 500-92817-8

Date Collected: 03/03/15 11:35

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0054		0.0054	0.00075	mg/Kg	☼	03/04/15 08:40	03/10/15 13:07	1
Ethylbenzene	<0.0054		0.0054	0.0011	mg/Kg	☼	03/04/15 08:40	03/10/15 13:07	1
Toluene	<0.0054		0.0054	0.00076	mg/Kg	☼	03/04/15 08:40	03/10/15 13:07	1
Xylenes, Total	<0.011		0.011	0.00049	mg/Kg	☼	03/04/15 08:40	03/10/15 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122	03/04/15 08:40	03/10/15 13:07	1
Dibromofluoromethane	94		75 - 120	03/04/15 08:40	03/10/15 13:07	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134	03/04/15 08:40	03/10/15 13:07	1
Toluene-d8 (Surr)	99		75 - 122	03/04/15 08:40	03/10/15 13:07	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Acenaphthylene	0.017	J	0.037	0.0049	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Anthracene	0.032	J	0.037	0.0062	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Benzo[a]anthracene	0.037		0.037	0.0050	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Benzo[a]pyrene	0.049		0.037	0.0072	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Benzo[b]fluoranthene	0.13		0.037	0.0081	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Benzo[g,h,i]perylene	0.073		0.037	0.012	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Benzo[k]fluoranthene	0.057		0.037	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Chrysene	0.070		0.037	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Dibenz(a,h)anthracene	0.021	J	0.037	0.0072	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Fluoranthene	0.064		0.037	0.0069	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Indeno[1,2,3-cd]pyrene	0.059		0.037	0.0097	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Naphthalene	0.0069	J	0.037	0.0057	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Phenanthrene	0.025	J	0.037	0.0052	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1
Pyrene	0.062		0.037	0.0074	mg/Kg	☼	03/11/15 16:03	03/16/15 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	34		25 - 119	03/11/15 16:03	03/16/15 19:15	1
Nitrobenzene-d5	33		25 - 115	03/11/15 16:03	03/16/15 19:15	1
Terphenyl-d14	54		36 - 134	03/11/15 16:03	03/16/15 19:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.54	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 01:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78		0.200	0.200	SU	-		03/06/15 10:40	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-19B-150303

Lab Sample ID: 500-92817-9

Date Collected: 03/03/15 11:45

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 81.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0052		0.0052	0.00071	mg/Kg	☼	03/04/15 08:40	03/11/15 17:36	1
Ethylbenzene	<0.0052		0.0052	0.0010	mg/Kg	☼	03/04/15 08:40	03/11/15 17:36	1
Toluene	<0.0052		0.0052	0.00072	mg/Kg	☼	03/04/15 08:40	03/11/15 17:36	1
Xylenes, Total	<0.010		0.010	0.00047	mg/Kg	☼	03/04/15 08:40	03/11/15 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	03/04/15 08:40	03/11/15 17:36	1
Dibromofluoromethane	91		75 - 120	03/04/15 08:40	03/11/15 17:36	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/04/15 08:40	03/11/15 17:36	1
Toluene-d8 (Surr)	99		75 - 122	03/04/15 08:40	03/11/15 17:36	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.020	J	0.040	0.0072	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Acenaphthylene	0.0084	J	0.040	0.0053	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Anthracene	0.040		0.040	0.0067	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Benzo[a]anthracene	0.19		0.040	0.0054	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Benzo[a]pyrene	0.20		0.040	0.0077	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Benzo[b]fluoranthene	0.26		0.040	0.0086	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Benzo[g,h,i]perylene	0.12		0.040	0.013	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Benzo[k]fluoranthene	0.12		0.040	0.012	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Chrysene	0.20		0.040	0.011	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Dibenz(a,h)anthracene	0.045		0.040	0.0077	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Fluoranthene	0.28		0.040	0.0074	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Fluorene	0.013	J	0.040	0.0056	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Indeno[1,2,3-cd]pyrene	0.12		0.040	0.010	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Naphthalene	0.026	J	0.040	0.0061	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Phenanthrene	0.20		0.040	0.0056	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1
Pyrene	0.25		0.040	0.0079	mg/Kg	☼	03/11/15 16:03	03/16/15 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	33		25 - 119	03/11/15 16:03	03/16/15 19:37	1
Nitrobenzene-d5	28		25 - 115	03/11/15 16:03	03/16/15 19:37	1
Terphenyl-d14	45		36 - 134	03/11/15 16:03	03/16/15 19:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		0.57	0.28	mg/Kg	☼	03/10/15 17:35	03/13/15 02:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.86		0.200	0.200	SU	—		03/06/15 10:51	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: Trip Blank B

Lab Sample ID: 500-92817-10

Date Collected: 03/03/15 00:00

Matrix: Water

Date Received: 03/04/15 07:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050	0.000074	mg/L			03/06/15 13:05	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			03/06/15 13:05	1
Toluene	<0.00050		0.00050	0.00011	mg/L			03/06/15 13:05	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			03/06/15 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 120					03/06/15 13:05	1
Dibromofluoromethane	84		75 - 120					03/06/15 13:05	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 125					03/06/15 13:05	1
Toluene-d8 (Surr)	101		75 - 120					03/06/15 13:05	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-20A-150303

Lab Sample ID: 500-92817-11

Date Collected: 03/03/15 12:55

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0066		0.0066	0.00090	mg/Kg	☼	03/04/15 08:40	03/10/15 13:55	1
Ethylbenzene	<0.0066		0.0066	0.0013	mg/Kg	☼	03/04/15 08:40	03/10/15 13:55	1
Toluene	<0.0066		0.0066	0.00092	mg/Kg	☼	03/04/15 08:40	03/10/15 13:55	1
Xylenes, Total	<0.013		0.013	0.00059	mg/Kg	☼	03/04/15 08:40	03/10/15 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122				03/04/15 08:40	03/10/15 13:55	1
Dibromofluoromethane	92		75 - 120				03/04/15 08:40	03/10/15 13:55	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134				03/04/15 08:40	03/10/15 13:55	1
Toluene-d8 (Surr)	101		75 - 122				03/04/15 08:40	03/10/15 13:55	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.032	J	0.038	0.0069	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Acenaphthylene	0.020	J	0.038	0.0051	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Anthracene	0.14		0.038	0.0065	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Benzo[a]anthracene	0.73		0.038	0.0052	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Benzo[a]pyrene	0.68		0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Benzo[b]fluoranthene	0.90		0.038	0.0083	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Benzo[g,h,i]perylene	0.33		0.038	0.012	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Benzo[k]fluoranthene	0.39		0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Chrysene	0.76		0.038	0.011	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Dibenz(a,h)anthracene	0.13		0.038	0.0075	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Fluoranthene	1.5		0.038	0.0072	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Fluorene	0.023	J	0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Indeno[1,2,3-cd]pyrene	0.30		0.038	0.010	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Naphthalene	0.11		0.038	0.0059	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Phenanthrene	0.83		0.038	0.0054	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Pyrene	1.1		0.038	0.0077	mg/Kg	☼	03/11/15 16:03	03/17/15 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	37		25 - 119				03/11/15 16:03	03/17/15 15:29	1
Nitrobenzene-d5	35		25 - 115				03/11/15 16:03	03/17/15 15:29	1
Terphenyl-d14	47		36 - 134				03/11/15 16:03	03/17/15 15:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		0.59	0.29	mg/Kg	☼	03/10/15 17:35	03/13/15 02:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.76		0.200	0.200	SU	-		03/06/15 10:57	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-20B-150303

Lab Sample ID: 500-92817-12

Date Collected: 03/03/15 13:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 81.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0053		0.0053	0.00073	mg/Kg	☼	03/04/15 08:40	03/10/15 14:19	1
Ethylbenzene	<0.0053		0.0053	0.0011	mg/Kg	☼	03/04/15 08:40	03/10/15 14:19	1
Toluene	<0.0053		0.0053	0.00074	mg/Kg	☼	03/04/15 08:40	03/10/15 14:19	1
Xylenes, Total	<0.011		0.011	0.00048	mg/Kg	☼	03/04/15 08:40	03/10/15 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	03/04/15 08:40	03/10/15 14:19	1
Dibromofluoromethane	95		75 - 120	03/04/15 08:40	03/10/15 14:19	1
1,2-Dichloroethane-d4 (Surr)	121		70 - 134	03/04/15 08:40	03/10/15 14:19	1
Toluene-d8 (Surr)	102		75 - 122	03/04/15 08:40	03/10/15 14:19	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Acenaphthylene	0.0072	J	0.040	0.0053	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Anthracene	0.028	J	0.040	0.0067	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Benzo[a]anthracene	0.099		0.040	0.0054	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Benzo[a]pyrene	0.080		0.040	0.0078	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Benzo[b]fluoranthene	0.11		0.040	0.0086	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Benzo[g,h,i]perylene	0.055		0.040	0.013	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Benzo[k]fluoranthene	0.053		0.040	0.012	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Chrysene	0.10		0.040	0.011	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Dibenz(a,h)anthracene	0.010	J	0.040	0.0077	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Fluoranthene	0.14		0.040	0.0074	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Indeno[1,2,3-cd]pyrene	0.048		0.040	0.010	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Naphthalene	0.032	J	0.040	0.0062	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Phenanthrene	0.16		0.040	0.0056	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1
Pyrene	0.13		0.040	0.0080	mg/Kg	☼	03/11/15 16:03	03/17/15 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	29		25 - 119	03/11/15 16:03	03/17/15 15:51	1
Nitrobenzene-d5	26		25 - 115	03/11/15 16:03	03/17/15 15:51	1
Terphenyl-d14	50		36 - 134	03/11/15 16:03	03/17/15 15:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	95		0.61	0.30	mg/Kg	☼	03/10/15 17:35	03/13/15 02:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.45		0.200	0.200	SU	-		03/06/15 11:03	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-21A-150303

Lab Sample ID: 500-92817-13

Date Collected: 03/03/15 13:35

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0048		0.0048	0.00066	mg/Kg	☼	03/04/15 08:40	03/10/15 14:43	1
Ethylbenzene	<0.0048		0.0048	0.00097	mg/Kg	☼	03/04/15 08:40	03/10/15 14:43	1
Toluene	<0.0048		0.0048	0.00067	mg/Kg	☼	03/04/15 08:40	03/10/15 14:43	1
Xylenes, Total	<0.0096		0.0096	0.00044	mg/Kg	☼	03/04/15 08:40	03/10/15 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	03/04/15 08:40	03/10/15 14:43	1
Dibromofluoromethane	92		75 - 120	03/04/15 08:40	03/10/15 14:43	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134	03/04/15 08:40	03/10/15 14:43	1
Toluene-d8 (Surr)	102		75 - 122	03/04/15 08:40	03/10/15 14:43	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0093	J	0.035	0.0064	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Acenaphthylene	0.0071	J	0.035	0.0047	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Anthracene	0.025	J	0.035	0.0060	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Benzo[a]anthracene	0.13		0.035	0.0048	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Benzo[a]pyrene	0.14		0.035	0.0069	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Benzo[b]fluoranthene	0.17		0.035	0.0077	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Benzo[g,h,i]perylene	0.10		0.035	0.011	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Benzo[k]fluoranthene	0.087		0.035	0.010	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Chrysene	0.14		0.035	0.0097	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Dibenz(a,h)anthracene	0.037		0.035	0.0069	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Fluoranthene	0.21		0.035	0.0066	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Fluorene	0.0066	J	0.035	0.0050	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Indeno[1,2,3-cd]pyrene	0.081		0.035	0.0092	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Naphthalene	0.026	J	0.035	0.0055	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Phenanthrene	0.13		0.035	0.0050	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1
Pyrene	0.17		0.035	0.0071	mg/Kg	☼	03/11/15 16:03	03/17/15 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	42		25 - 119	03/11/15 16:03	03/17/15 16:13	1
Nitrobenzene-d5	43		25 - 115	03/11/15 16:03	03/17/15 16:13	1
Terphenyl-d14	60		36 - 134	03/11/15 16:03	03/17/15 16:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.54	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 02:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.42		0.200	0.200	SU	-		03/06/15 11:09	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-21A-150303D

Lab Sample ID: 500-92817-14

Date Collected: 03/03/15 13:40

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0046		0.0046	0.00063	mg/Kg	☼	03/04/15 08:40	03/10/15 15:07	1
Ethylbenzene	<0.0046		0.0046	0.00093	mg/Kg	☼	03/04/15 08:40	03/10/15 15:07	1
Toluene	<0.0046		0.0046	0.00065	mg/Kg	☼	03/04/15 08:40	03/10/15 15:07	1
Xylenes, Total	<0.0092		0.0092	0.00042	mg/Kg	☼	03/04/15 08:40	03/10/15 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122				03/04/15 08:40	03/10/15 15:07	1
Dibromofluoromethane	92		75 - 120				03/04/15 08:40	03/10/15 15:07	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134				03/04/15 08:40	03/10/15 15:07	1
Toluene-d8 (Surr)	98		75 - 122				03/04/15 08:40	03/10/15 15:07	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Acenaphthylene	0.0072	J	0.034	0.0046	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Anthracene	0.022	J	0.034	0.0058	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Benzo[a]anthracene	0.088		0.034	0.0047	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Benzo[a]pyrene	0.089		0.034	0.0067	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Benzo[b]fluoranthene	0.11		0.034	0.0075	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Benzo[g,h,i]perylene	0.073		0.034	0.011	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Benzo[k]fluoranthene	0.041		0.034	0.010	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Chrysene	0.10		0.034	0.0095	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Fluoranthene	0.14		0.034	0.0064	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Fluorene	0.0052	J	0.034	0.0049	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Indeno[1,2,3-cd]pyrene	0.054		0.034	0.0090	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Naphthalene	0.024	J	0.034	0.0053	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Phenanthrene	0.13		0.034	0.0048	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Pyrene	0.11		0.034	0.0069	mg/Kg	☼	03/11/15 16:03	03/17/15 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	41		25 - 119				03/11/15 16:03	03/17/15 16:35	1
Nitrobenzene-d5	40		25 - 115				03/11/15 16:03	03/17/15 16:35	1
Terphenyl-d14	47		36 - 134				03/11/15 16:03	03/17/15 16:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		0.55	0.27	mg/Kg	☼	03/10/15 17:35	03/13/15 02:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.59		0.200	0.200	SU	-		03/06/15 11:14	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-21B-150303

Lab Sample ID: 500-92817-15

Date Collected: 03/03/15 13:45

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0063		0.0063	0.00087	mg/Kg	☼	03/04/15 08:40	03/10/15 15:32	1
Ethylbenzene	<0.0063		0.0063	0.0013	mg/Kg	☼	03/04/15 08:40	03/10/15 15:32	1
Toluene	<0.0063		0.0063	0.00088	mg/Kg	☼	03/04/15 08:40	03/10/15 15:32	1
Xylenes, Total	<0.013		0.013	0.00057	mg/Kg	☼	03/04/15 08:40	03/10/15 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	03/04/15 08:40	03/10/15 15:32	1
Dibromofluoromethane	92		75 - 120	03/04/15 08:40	03/10/15 15:32	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134	03/04/15 08:40	03/10/15 15:32	1
Toluene-d8 (Surr)	101		75 - 122	03/04/15 08:40	03/10/15 15:32	1

Method: 8270D - Semivolatile Priority Pollutants

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20	0.036	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Acenaphthylene	0.028	J	0.20	0.027	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Anthracene	0.12	J	0.20	0.034	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Benzo[a]anthracene	0.25		0.20	0.027	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Benzo[a]pyrene	0.17	J	0.20	0.039	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Benzo[b]fluoranthene	0.21		0.20	0.044	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Benzo[g,h,i]perylene	0.20		0.20	0.065	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Benzo[k]fluoranthene	0.12	J	0.20	0.060	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Chrysene	0.29		0.20	0.055	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Dibenz(a,h)anthracene	<0.20		0.20	0.039	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Fluoranthene	0.37		0.20	0.038	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Fluorene	0.035	J	0.20	0.029	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Indeno[1,2,3-cd]pyrene	0.10	J	0.20	0.053	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Naphthalene	0.063	J	0.20	0.031	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Phenanthrene	0.52		0.20	0.028	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5
Pyrene	0.39		0.20	0.040	mg/Kg	☼	03/11/15 16:03	03/17/15 16:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	36		25 - 119	03/11/15 16:03	03/17/15 16:56	5
Nitrobenzene-d5	35		25 - 115	03/11/15 16:03	03/17/15 16:56	5
Terphenyl-d14	41		36 - 134	03/11/15 16:03	03/17/15 16:56	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		0.60	0.30	mg/Kg	☼	03/10/15 17:35	03/13/15 02:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.30		0.200	0.200	SU	-		03/06/15 11:20	1

TestAmerica Chicago

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: Trip Blank A

Lab Sample ID: 500-92817-16

Date Collected: 03/03/15 00:00

Matrix: Water

Date Received: 03/04/15 07:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050	0.000074	mg/L			03/06/15 13:32	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			03/06/15 13:32	1
Toluene	<0.00050		0.00050	0.00011	mg/L			03/06/15 13:32	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			03/06/15 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120		03/06/15 13:32	1
Dibromofluoromethane	86		75 - 120		03/06/15 13:32	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 125		03/06/15 13:32	1
Toluene-d8 (Surr)	100		75 - 120		03/06/15 13:32	1

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

GC/MS VOA

Prep Batch: 278277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-4	GP-17A-150303	Total/NA	Solid	5035	
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	5035	
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	5035	

Prep Batch: 278399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	5035	
500-92817-2	GP-16A-150303D	Total/NA	Solid	5035	
500-92817-3	GP-16B-150303	Total/NA	Solid	5035	
500-92817-5	GP-17B-150303	Total/NA	Solid	5035	
500-92817-6	GP-18A-150303	Total/NA	Solid	5035	
500-92817-7	GP-18B-150303	Total/NA	Solid	5035	
500-92817-8	GP-19A-150303	Total/NA	Solid	5035	
500-92817-9	GP-19B-150303	Total/NA	Solid	5035	
500-92817-11	GP-20A-150303	Total/NA	Solid	5035	
500-92817-12	GP-20B-150303	Total/NA	Solid	5035	
500-92817-13	GP-21A-150303	Total/NA	Solid	5035	
500-92817-14	GP-21A-150303D	Total/NA	Solid	5035	
500-92817-15	GP-21B-150303	Total/NA	Solid	5035	

Analysis Batch: 278416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-4	GP-17A-150303	Total/NA	Solid	8260B	278277
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	8260B	278277
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	8260B	278277
LCS 500-278416/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-278416/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 278417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-10	Trip Blank B	Total/NA	Water	8260B	
500-92817-16	Trip Blank A	Total/NA	Water	8260B	
LCS 500-278417/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-278417/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 278900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	8260B	278399
500-92817-2	GP-16A-150303D	Total/NA	Solid	8260B	278399
500-92817-3	GP-16B-150303	Total/NA	Solid	8260B	278399
500-92817-5	GP-17B-150303	Total/NA	Solid	8260B	278399
500-92817-6	GP-18A-150303	Total/NA	Solid	8260B	278399
500-92817-7	GP-18B-150303	Total/NA	Solid	8260B	278399
500-92817-8	GP-19A-150303	Total/NA	Solid	8260B	278399
500-92817-11	GP-20A-150303	Total/NA	Solid	8260B	278399
500-92817-12	GP-20B-150303	Total/NA	Solid	8260B	278399
500-92817-13	GP-21A-150303	Total/NA	Solid	8260B	278399
500-92817-14	GP-21A-150303D	Total/NA	Solid	8260B	278399
500-92817-15	GP-21B-150303	Total/NA	Solid	8260B	278399
LCS 500-278900/20	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-278900/5	Method Blank	Total/NA	Solid	8260B	

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

GC/MS VOA (Continued)

Analysis Batch: 279087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-9	GP-19B-150303	Total/NA	Solid	8260B	278399
LCS 500-279087/24	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-279087/5	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 279224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	3541	
500-92817-2	GP-16A-150303D	Total/NA	Solid	3541	
500-92817-3	GP-16B-150303	Total/NA	Solid	3541	
500-92817-4	GP-17A-150303	Total/NA	Solid	3541	
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	3541	
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	3541	
500-92817-5	GP-17B-150303	Total/NA	Solid	3541	
500-92817-6	GP-18A-150303	Total/NA	Solid	3541	
500-92817-7	GP-18B-150303	Total/NA	Solid	3541	
500-92817-8	GP-19A-150303	Total/NA	Solid	3541	
500-92817-9	GP-19B-150303	Total/NA	Solid	3541	
500-92817-11	GP-20A-150303	Total/NA	Solid	3541	
500-92817-12	GP-20B-150303	Total/NA	Solid	3541	
500-92817-13	GP-21A-150303	Total/NA	Solid	3541	
500-92817-14	GP-21A-150303D	Total/NA	Solid	3541	
500-92817-15	GP-21B-150303	Total/NA	Solid	3541	
LCS 500-279224/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-279224/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 279364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-279224/1-A	Method Blank	Total/NA	Solid	8270D	279224

Analysis Batch: 279517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-279224/2-A	Lab Control Sample	Total/NA	Solid	8270D	279224

Analysis Batch: 279796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	8270D	279224
500-92817-2	GP-16A-150303D	Total/NA	Solid	8270D	279224
500-92817-3	GP-16B-150303	Total/NA	Solid	8270D	279224
500-92817-4	GP-17A-150303	Total/NA	Solid	8270D	279224
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	8270D	279224
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	8270D	279224
500-92817-5	GP-17B-150303	Total/NA	Solid	8270D	279224
500-92817-6	GP-18A-150303	Total/NA	Solid	8270D	279224
500-92817-7	GP-18B-150303	Total/NA	Solid	8270D	279224
500-92817-8	GP-19A-150303	Total/NA	Solid	8270D	279224
500-92817-9	GP-19B-150303	Total/NA	Solid	8270D	279224

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

GC/MS Semi VOA (Continued)

Analysis Batch: 279974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-11	GP-20A-150303	Total/NA	Solid	8270D	279224
500-92817-12	GP-20B-150303	Total/NA	Solid	8270D	279224
500-92817-13	GP-21A-150303	Total/NA	Solid	8270D	279224
500-92817-14	GP-21A-150303D	Total/NA	Solid	8270D	279224
500-92817-15	GP-21B-150303	Total/NA	Solid	8270D	279224

Metals

Prep Batch: 279020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	3050B	
500-92817-2	GP-16A-150303D	Total/NA	Solid	3050B	
500-92817-3	GP-16B-150303	Total/NA	Solid	3050B	
500-92817-4	GP-17A-150303	Total/NA	Solid	3050B	
500-92817-4 DU	GP-17A-150303	Total/NA	Solid	3050B	
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	3050B	
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	3050B	
500-92817-5	GP-17B-150303	Total/NA	Solid	3050B	
500-92817-6	GP-18A-150303	Total/NA	Solid	3050B	
500-92817-7	GP-18B-150303	Total/NA	Solid	3050B	
500-92817-8	GP-19A-150303	Total/NA	Solid	3050B	
500-92817-9	GP-19B-150303	Total/NA	Solid	3050B	
500-92817-11	GP-20A-150303	Total/NA	Solid	3050B	
500-92817-12	GP-20B-150303	Total/NA	Solid	3050B	
500-92817-13	GP-21A-150303	Total/NA	Solid	3050B	
500-92817-14	GP-21A-150303D	Total/NA	Solid	3050B	
500-92817-15	GP-21B-150303	Total/NA	Solid	3050B	
LCS 500-279020/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-279020/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 279500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	6010B	279020
500-92817-2	GP-16A-150303D	Total/NA	Solid	6010B	279020
500-92817-3	GP-16B-150303	Total/NA	Solid	6010B	279020
500-92817-4	GP-17A-150303	Total/NA	Solid	6010B	279020
500-92817-4 DU	GP-17A-150303	Total/NA	Solid	6010B	279020
500-92817-4 MS	GP-17A-150303	Total/NA	Solid	6010B	279020
500-92817-4 MSD	GP-17A-150303	Total/NA	Solid	6010B	279020
500-92817-5	GP-17B-150303	Total/NA	Solid	6010B	279020
500-92817-6	GP-18A-150303	Total/NA	Solid	6010B	279020
500-92817-7	GP-18B-150303	Total/NA	Solid	6010B	279020
500-92817-8	GP-19A-150303	Total/NA	Solid	6010B	279020
500-92817-9	GP-19B-150303	Total/NA	Solid	6010B	279020
500-92817-11	GP-20A-150303	Total/NA	Solid	6010B	279020
500-92817-12	GP-20B-150303	Total/NA	Solid	6010B	279020
500-92817-13	GP-21A-150303	Total/NA	Solid	6010B	279020
500-92817-14	GP-21A-150303D	Total/NA	Solid	6010B	279020
500-92817-15	GP-21B-150303	Total/NA	Solid	6010B	279020
LCS 500-279020/2-A	Lab Control Sample	Total/NA	Solid	6010B	279020

TestAmerica Chicago

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Metals (Continued)

Analysis Batch: 279500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-279020/1-A	Method Blank	Total/NA	Solid	6010B	279020

General Chemistry

Analysis Batch: 278116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	Moisture	
500-92817-1 DU	GP-16A-150303	Total/NA	Solid	Moisture	
500-92817-2	GP-16A-150303D	Total/NA	Solid	Moisture	
500-92817-3	GP-16B-150303	Total/NA	Solid	Moisture	
500-92817-4	GP-17A-150303	Total/NA	Solid	Moisture	
500-92817-5	GP-17B-150303	Total/NA	Solid	Moisture	
500-92817-6	GP-18A-150303	Total/NA	Solid	Moisture	
500-92817-7	GP-18B-150303	Total/NA	Solid	Moisture	
500-92817-8	GP-19A-150303	Total/NA	Solid	Moisture	
500-92817-9	GP-19B-150303	Total/NA	Solid	Moisture	
500-92817-11	GP-20A-150303	Total/NA	Solid	Moisture	
500-92817-12	GP-20B-150303	Total/NA	Solid	Moisture	
500-92817-13	GP-21A-150303	Total/NA	Solid	Moisture	
500-92817-14	GP-21A-150303D	Total/NA	Solid	Moisture	
500-92817-15	GP-21B-150303	Total/NA	Solid	Moisture	

Analysis Batch: 278440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92817-1	GP-16A-150303	Total/NA	Solid	9045D	
500-92817-2	GP-16A-150303D	Total/NA	Solid	9045D	
500-92817-3	GP-16B-150303	Total/NA	Solid	9045D	
500-92817-4	GP-17A-150303	Total/NA	Solid	9045D	
500-92817-5	GP-17B-150303	Total/NA	Solid	9045D	
500-92817-6	GP-18A-150303	Total/NA	Solid	9045D	
500-92817-7	GP-18B-150303	Total/NA	Solid	9045D	
500-92817-8	GP-19A-150303	Total/NA	Solid	9045D	
500-92817-8 DU	GP-19A-150303	Total/NA	Solid	9045D	
500-92817-9	GP-19B-150303	Total/NA	Solid	9045D	
500-92817-11	GP-20A-150303	Total/NA	Solid	9045D	
500-92817-12	GP-20B-150303	Total/NA	Solid	9045D	
500-92817-13	GP-21A-150303	Total/NA	Solid	9045D	
500-92817-14	GP-21A-150303D	Total/NA	Solid	9045D	
500-92817-15	GP-21B-150303	Total/NA	Solid	9045D	

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-122)	DBFM (75-120)	12DCE (70-134)	TOL (75-122)
500-92817-1	GP-16A-150303	100	90	119	98
500-92817-2	GP-16A-150303D	104	93	116	100
500-92817-3	GP-16B-150303	101	92	121	99
500-92817-5	GP-17B-150303	103	91	119	99
500-92817-6	GP-18A-150303	96	93	114	101
500-92817-7	GP-18B-150303	98	91	117	100
500-92817-8	GP-19A-150303	100	94	118	99
500-92817-9	GP-19B-150303	98	91	117	99
500-92817-11	GP-20A-150303	94	92	119	101
500-92817-12	GP-20B-150303	97	95	121	102
500-92817-13	GP-21A-150303	98	92	119	102
500-92817-14	GP-21A-150303D	96	92	119	98
500-92817-15	GP-21B-150303	99	92	118	101
LCS 500-278900/20	Lab Control Sample	113	90	116	103
LCS 500-279087/24	Lab Control Sample	105	88	112	102
MB 500-278900/5	Method Blank	103	90	118	101
MB 500-279087/5	Method Blank	100	92	116	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-92817-4	GP-17A-150303	99	84	101	97
500-92817-4 MS	GP-17A-150303	97	92	100	100
500-92817-4 MSD	GP-17A-150303	96	91	101	98
LCS 500-278416/4	Lab Control Sample	95	93	102	97
MB 500-278416/6	Method Blank	99	89	107	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-92817-10	Trip Blank B	95	84	95	101
500-92817-16	Trip Blank A	100	86	96	100

TestAmerica Chicago

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
LCS 500-278417/4	Lab Control Sample	95	93	102	97
MB 500-278417/6	Method Blank	99	89	107	96
Surrogate Legend					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane					
12DCE = 1,2-Dichloroethane-d4 (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8270D - Semivolatile Priority Pollutants

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (25-119)	NBZ (25-115)	TPH (36-134)
500-92817-1	GP-16A-150303	31	32	49
500-92817-2	GP-16A-150303D	33	34	51
500-92817-3	GP-16B-150303	35	36	54
500-92817-4	GP-17A-150303	43	37	53
500-92817-4 MS	GP-17A-150303	31	29	45
500-92817-4 MSD	GP-17A-150303	35	30	49
500-92817-5	GP-17B-150303	39	43	60
500-92817-6	GP-18A-150303	43	38	62
500-92817-7	GP-18B-150303	40	46	61
500-92817-8	GP-19A-150303	34	33	54
500-92817-9	GP-19B-150303	33	28	45
500-92817-11	GP-20A-150303	37	35	47
500-92817-12	GP-20B-150303	29	26	50
500-92817-13	GP-21A-150303	42	43	60
500-92817-14	GP-21A-150303D	41	40	47
500-92817-15	GP-21B-150303	36	35	41
LCS 500-279224/2-A	Lab Control Sample	54	52	62
MB 500-279224/1-A	Method Blank	57	51	73
Surrogate Legend				
FBP = 2-Fluorobiphenyl				
NBZ = Nitrobenzene-d5				
TPH = Terphenyl-d14				

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 500-92817-4 MS

Matrix: Solid

Analysis Batch: 278416

Client Sample ID: GP-17A-150303

Prep Type: Total/NA

Prep Batch: 278277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.016		3.22	2.75		mg/Kg	⊗	85	75 - 120
Ethylbenzene	<0.016		3.22	2.83		mg/Kg	⊗	88	75 - 120
Toluene	0.014	J	3.22	2.86		mg/Kg	⊗	88	75 - 120
Xylenes, Total	0.033		6.44	5.61		mg/Kg	⊗	87	75 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane	92		75 - 120
1,2-Dichloroethane-d4 (Surr)	100		75 - 125
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-92817-4 MSD

Matrix: Solid

Analysis Batch: 278416

Client Sample ID: GP-17A-150303

Prep Type: Total/NA

Prep Batch: 278277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.016		2.95	3.20		mg/Kg	⊗	108	75 - 120	15	30
Ethylbenzene	<0.016		2.95	3.19		mg/Kg	⊗	108	75 - 120	12	30
Toluene	0.014	J	2.95	3.21		mg/Kg	⊗	108	75 - 120	12	30
Xylenes, Total	0.033		5.90	6.45		mg/Kg	⊗	109	75 - 120	14	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 125
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: MB 500-278416/6

Matrix: Solid

Analysis Batch: 278416

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00025		0.00025	0.000074	mg/Kg			03/06/15 11:57	1
Ethylbenzene	<0.00025		0.00025	0.00013	mg/Kg			03/06/15 11:57	1
Toluene	<0.00025		0.00025	0.00012	mg/Kg			03/06/15 11:57	1
Xylenes, Total	<0.00050		0.00050	0.000068	mg/Kg			03/06/15 11:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		03/06/15 11:57	1
Dibromofluoromethane	89		75 - 120		03/06/15 11:57	1
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		03/06/15 11:57	1
Toluene-d8 (Surr)	96		75 - 120		03/06/15 11:57	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-278416/4

Matrix: Solid

Analysis Batch: 278416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0510		mg/Kg		102	75 - 120
Ethylbenzene	0.0500	0.0505		mg/Kg		101	75 - 120
Toluene	0.0500	0.0504		mg/Kg		101	75 - 120
Xylenes, Total	0.100	0.101		mg/Kg		101	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 125
Toluene-d8 (Surr)	97		75 - 120

Lab Sample ID: MB 500-278417/6

Matrix: Water

Analysis Batch: 278417

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050	0.000074	mg/L			03/06/15 11:57	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			03/06/15 11:57	1
Toluene	<0.00050		0.00050	0.00011	mg/L			03/06/15 11:57	1
Xylenes, Total	<0.0010		0.0010	0.000068	mg/L			03/06/15 11:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120		03/06/15 11:57	1
Dibromofluoromethane	89		75 - 120		03/06/15 11:57	1
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		03/06/15 11:57	1
Toluene-d8 (Surr)	96		75 - 120		03/06/15 11:57	1

Lab Sample ID: LCS 500-278417/4

Matrix: Water

Analysis Batch: 278417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0510		mg/L		102	75 - 120
Ethylbenzene	0.0500	0.0505		mg/L		101	75 - 120
Toluene	0.0500	0.0504		mg/L		101	75 - 120
Xylenes, Total	0.100	0.101		mg/L		101	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 125
Toluene-d8 (Surr)	97		75 - 120

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-278900/5

Matrix: Solid

Analysis Batch: 278900

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0050		0.0050	0.00069	mg/Kg			03/10/15 09:30	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg			03/10/15 09:30	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg			03/10/15 09:30	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg			03/10/15 09:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122		03/10/15 09:30	1
Dibromofluoromethane	90		75 - 120		03/10/15 09:30	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134		03/10/15 09:30	1
Toluene-d8 (Surr)	101		75 - 122		03/10/15 09:30	1

Lab Sample ID: LCS 500-278900/20

Matrix: Solid

Analysis Batch: 278900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0518		mg/Kg		104	75 - 120
Ethylbenzene	0.0500	0.0511		mg/Kg		102	75 - 120
Toluene	0.0500	0.0532		mg/Kg		106	75 - 120
Xylenes, Total	0.100	0.110		mg/Kg		110	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 122
Dibromofluoromethane	90		75 - 120
1,2-Dichloroethane-d4 (Surr)	116		70 - 134
Toluene-d8 (Surr)	103		75 - 122

Lab Sample ID: MB 500-279087/5

Matrix: Solid

Analysis Batch: 279087

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0050		0.0050	0.00069	mg/Kg			03/11/15 09:34	1
Ethylbenzene	<0.0050		0.0050	0.0010	mg/Kg			03/11/15 09:34	1
Toluene	<0.0050		0.0050	0.00070	mg/Kg			03/11/15 09:34	1
Xylenes, Total	<0.010		0.010	0.00045	mg/Kg			03/11/15 09:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122		03/11/15 09:34	1
Dibromofluoromethane	92		75 - 120		03/11/15 09:34	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 134		03/11/15 09:34	1
Toluene-d8 (Surr)	99		75 - 122		03/11/15 09:34	1

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-279087/24

Matrix: Solid

Analysis Batch: 279087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0410		mg/Kg		82	75 - 120
Ethylbenzene	0.0500	0.0420		mg/Kg		84	75 - 120
Toluene	0.0500	0.0422		mg/Kg		84	75 - 120
Xylenes, Total	0.100	0.0886		mg/Kg		89	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 122
Dibromofluoromethane	88		75 - 120
1,2-Dichloroethane-d4 (Surr)	112		70 - 134
Toluene-d8 (Surr)	102		75 - 122

Method: 8270D - Semivolatile Priority Pollutants

Lab Sample ID: MB 500-279224/1-A

Matrix: Solid

Analysis Batch: 279364

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 279224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Fluorene	<0.033		0.033	0.0047	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		03/11/15 16:03	03/12/15 12:16	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		03/11/15 16:03	03/12/15 12:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	57		25 - 119	03/11/15 16:03	03/12/15 12:16	1
Nitrobenzene-d5	51		25 - 115	03/11/15 16:03	03/12/15 12:16	1
Terphenyl-d14	73		36 - 134	03/11/15 16:03	03/12/15 12:16	1

Lab Sample ID: LCS 500-279224/2-A

Matrix: Solid

Analysis Batch: 279517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 279224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	0.852		mg/Kg		64	47 - 110
Acenaphthylene	1.33	0.870		mg/Kg		65	51 - 113

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8270D - Semivolatile Priority Pollutants (Continued)

Lab Sample ID: LCS 500-279224/2-A

Matrix: Solid

Analysis Batch: 279517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 279224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	1.33	0.935		mg/Kg		70	53 - 121
Benzo[a]anthracene	1.33	0.876		mg/Kg		66	52 - 113
Benzo[a]pyrene	1.33	0.912		mg/Kg		68	52 - 110
Benzo[b]fluoranthene	1.33	0.849		mg/Kg		64	49 - 118
Benzo[g,h,i]perylene	1.33	0.753		mg/Kg		56	53 - 115
Benzo[k]fluoranthene	1.33	1.09		mg/Kg		82	46 - 115
Chrysene	1.33	0.870		mg/Kg		65	51 - 112
Dibenz(a,h)anthracene	1.33	0.809		mg/Kg		61	48 - 113
Fluoranthene	1.33	0.972		mg/Kg		73	53 - 122
Fluorene	1.33	0.912		mg/Kg		68	51 - 119
Indeno[1,2,3-cd]pyrene	1.33	0.802		mg/Kg		60	49 - 113
Naphthalene	1.33	0.830		mg/Kg		62	49 - 110
Phenanthrene	1.33	0.912		mg/Kg		68	54 - 120
Pyrene	1.33	0.898		mg/Kg		67	54 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	54		25 - 119
Nitrobenzene-d5	52		25 - 115
Terphenyl-d14	62		36 - 134

Lab Sample ID: 500-92817-4 MS

Matrix: Solid

Analysis Batch: 279796

Client Sample ID: GP-17A-150303

Prep Type: Total/NA

Prep Batch: 279224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.038	F1	1.58	0.627	F1	mg/Kg	☼	40	47 - 110
Acenaphthylene	<0.038	F1	1.58	0.620	F1	mg/Kg	☼	39	51 - 113
Anthracene	0.010	J F1	1.58	0.742	F1	mg/Kg	☼	46	53 - 121
Benzo[a]anthracene	0.026	J F1	1.58	0.677	F1	mg/Kg	☼	41	52 - 113
Benzo[a]pyrene	0.018	J F1	1.58	0.632	F1	mg/Kg	☼	39	52 - 110
Benzo[b]fluoranthene	0.019	J F1	1.58	0.654	F1	mg/Kg	☼	40	49 - 118
Benzo[g,h,i]perylene	0.025	J F1	1.58	0.534	F1	mg/Kg	☼	32	53 - 115
Benzo[k]fluoranthene	0.013	J F1	1.58	0.713	F1	mg/Kg	☼	44	46 - 115
Chrysene	0.032	J F1	1.58	0.707	F1	mg/Kg	☼	43	51 - 112
Dibenz(a,h)anthracene	<0.038	F1	1.58	0.576	F1	mg/Kg	☼	36	48 - 113
Fluoranthene	0.035	J F1	1.58	0.804	F1	mg/Kg	☼	49	53 - 122
Fluorene	<0.038	F1	1.58	0.697	F1	mg/Kg	☼	44	51 - 119
Indeno[1,2,3-cd]pyrene	<0.038	F1	1.58	0.554	F1	mg/Kg	☼	35	49 - 113
Naphthalene	0.030	J F1	1.58	0.584	F1	mg/Kg	☼	35	49 - 110
Phenanthrene	0.051	F1	1.58	0.814	F1	mg/Kg	☼	48	54 - 120
Pyrene	0.042	F1	1.58	0.796	F1	mg/Kg	☼	48	54 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	31		25 - 119
Nitrobenzene-d5	29		25 - 115
Terphenyl-d14	45		36 - 134

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 8270D - Semivolatile Priority Pollutants (Continued)

Lab Sample ID: 500-92817-4 MSD

Matrix: Solid

Analysis Batch: 279796

Client Sample ID: GP-17A-150303

Prep Type: Total/NA

Prep Batch: 279224

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	<0.038	F1	1.56	0.682	F1	mg/Kg	☼	44	47 - 110	8	30
Acenaphthylene	<0.038	F1	1.56	0.669	F1	mg/Kg	☼	43	51 - 113	8	30
Anthracene	0.010	J F1	1.56	0.832		mg/Kg	☼	53	53 - 121	11	30
Benzo[a]anthracene	0.026	J F1	1.56	0.796	F1	mg/Kg	☼	49	52 - 113	16	30
Benzo[a]pyrene	0.018	J F1	1.56	0.744	F1	mg/Kg	☼	47	52 - 110	16	30
Benzo[b]fluoranthene	0.019	J F1	1.56	0.826		mg/Kg	☼	52	49 - 118	23	30
Benzo[g,h,i]perylene	0.025	J F1	1.56	0.656	F1	mg/Kg	☼	41	53 - 115	21	30
Benzo[k]fluoranthene	0.013	J F1	1.56	0.775		mg/Kg	☼	49	46 - 115	8	30
Chrysene	0.032	J F1	1.56	0.792	F1	mg/Kg	☼	49	51 - 112	11	30
Dibenz[a,h]anthracene	<0.038	F1	1.56	0.690	F1	mg/Kg	☼	44	48 - 113	18	30
Fluoranthene	0.035	J F1	1.56	0.884		mg/Kg	☼	55	53 - 122	9	30
Fluorene	<0.038	F1	1.56	0.789		mg/Kg	☼	51	51 - 119	12	30
Indeno[1,2,3-cd]pyrene	<0.038	F1	1.56	0.672	F1	mg/Kg	☼	43	49 - 113	19	30
Naphthalene	0.030	J F1	1.56	0.549	F1	mg/Kg	☼	33	49 - 110	6	30
Phenanthrene	0.051	F1	1.56	0.934		mg/Kg	☼	57	54 - 120	14	30
Pyrene	0.042	F1	1.56	0.857	F1	mg/Kg	☼	52	54 - 119	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	35		25 - 119
Nitrobenzene-d5	30		25 - 115
Terphenyl-d14	49		36 - 134

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-279020/1-A

Matrix: Solid

Analysis Batch: 279500

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 279020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	0.25	mg/Kg		03/10/15 17:35	03/13/15 00:46	1

Lab Sample ID: LCS 500-279020/2-A

Matrix: Solid

Analysis Batch: 279500

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 279020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	9.47		mg/Kg		95	80 - 120

Lab Sample ID: 500-92817-4 MS

Matrix: Solid

Analysis Batch: 279500

Client Sample ID: GP-17A-150303

Prep Type: Total/NA

Prep Batch: 279020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	18	F1 F2	11.6	33.8	F1	mg/Kg	☼	134	75 - 125

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-92817-4 MSD
Matrix: Solid
Analysis Batch: 279500

Client Sample ID: GP-17A-150303
Prep Type: Total/NA
Prep Batch: 279020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	18	F1 F2	12.0	24.7	F1 F2	mg/Kg	☼	54	75 - 125	31	20

Lab Sample ID: 500-92817-4 DU
Matrix: Solid
Analysis Batch: 279500

Client Sample ID: GP-17A-150303
Prep Type: Total/NA
Prep Batch: 279020

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	18	F1 F2	23.1	F3	mg/Kg	☼	23	20

Method: 9045D - pH

Lab Sample ID: 500-92817-8 DU
Matrix: Solid
Analysis Batch: 278440

Client Sample ID: GP-19A-150303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.78		6.950		SU		2	

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-16A-150303

Date Collected: 03/03/15 09:00

Date Received: 03/04/15 07:30

Lab Sample ID: 500-92817-1

Matrix: Solid

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 10:42	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 17:47	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:03	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:00		
					(End)	03/06/15 10:06		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-16A-150303D

Date Collected: 03/03/15 09:05

Date Received: 03/04/15 07:30

Lab Sample ID: 500-92817-2

Matrix: Solid

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 11:06	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 18:09	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:08	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:06		
					(End)	03/06/15 10:11		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-16B-150303

Date Collected: 03/03/15 09:20

Date Received: 03/04/15 07:30

Lab Sample ID: 500-92817-3

Matrix: Solid

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 11:31	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 18:31	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:13	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:11		
					(End)	03/06/15 10:17		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-17A-150303

Lab Sample ID: 500-92817-4

Date Collected: 03/03/15 10:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278277	03/03/15 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	278416	03/06/15 18:25	TCT	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 18:53	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:18	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:17		
					(End)	03/06/15 10:23		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-17B-150303

Lab Sample ID: 500-92817-5

Date Collected: 03/03/15 10:15

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 11:55	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 17:03	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:45	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:23		
					(End)	03/06/15 10:28		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-18A-150303

Lab Sample ID: 500-92817-6

Date Collected: 03/03/15 10:50

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 12:19	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 19:59	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:50	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:28		
					(End)	03/06/15 10:34		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-18B-150303

Lab Sample ID: 500-92817-7

Date Collected: 03/03/15 11:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 12:43	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 17:25	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:54	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:34		
					(End)	03/06/15 10:40		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-19A-150303

Lab Sample ID: 500-92817-8

Date Collected: 03/03/15 11:35

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 13:07	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 19:15	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 01:59	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:40		
					(End)	03/06/15 10:46		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-19B-150303

Lab Sample ID: 500-92817-9

Date Collected: 03/03/15 11:45

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	279087	03/11/15 17:36	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279796	03/16/15 19:37	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:03	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:51		
					(End)	03/06/15 10:57		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: Trip Blank B

Lab Sample ID: 500-92817-10

Date Collected: 03/03/15 00:00

Matrix: Water

Date Received: 03/04/15 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	278417	03/06/15 13:05	TCT	TAL CHI

Client Sample ID: GP-20A-150303

Lab Sample ID: 500-92817-11

Date Collected: 03/03/15 12:55

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 13:55	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279974	03/17/15 15:29	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:07	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 10:57		
					(End)	03/06/15 11:03		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-20B-150303

Lab Sample ID: 500-92817-12

Date Collected: 03/03/15 13:00

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 14:19	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279974	03/17/15 15:51	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:12	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 11:03		
					(End)	03/06/15 11:09		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-21A-150303

Lab Sample ID: 500-92817-13

Date Collected: 03/03/15 13:35

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 14:43	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279974	03/17/15 16:13	AJD	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: GP-21A-150303

Lab Sample ID: 500-92817-13

Date Collected: 03/03/15 13:35

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:24	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 11:09		
					(End)	03/06/15 11:14		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-21A-150303D

Lab Sample ID: 500-92817-14

Date Collected: 03/03/15 13:40

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 15:07	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		1	279974	03/17/15 16:35	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:28	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 11:14		
					(End)	03/06/15 11:20		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

Client Sample ID: GP-21B-150303

Lab Sample ID: 500-92817-15

Date Collected: 03/03/15 13:45

Matrix: Solid

Date Received: 03/04/15 07:30

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			278399	03/04/15 08:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	278900	03/10/15 15:32	BDW	TAL CHI
Total/NA	Prep	3541			279224	03/11/15 16:03	DEA	TAL CHI
Total/NA	Analysis	8270D		5	279974	03/17/15 16:56	AJD	TAL CHI
Total/NA	Prep	3050B			279020	03/10/15 17:35	PJH	TAL CHI
Total/NA	Analysis	6010B		1	279500	03/13/15 02:32	PJ1	TAL CHI
Total/NA	Analysis	9045D		1	278440		MTB	TAL CHI
					(Start)	03/06/15 11:20		
					(End)	03/06/15 11:26		
Total/NA	Analysis	Moisture		1	278116	03/04/15 13:49	LWN	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Client Sample ID: Trip Blank A
Date Collected: 03/03/15 00:00
Date Received: 03/04/15 07:30

Lab Sample ID: 500-92817-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	278417	03/06/15 13:32	TCT	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: CDM Smith, Inc.
Project/Site: 3450 E 2056th Wedron IL

TestAmerica Job ID: 500-92817-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica Chicago

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: C. Albrecht
Company: CDM Smith
Address: 125 N. Wacker Dr
Address: Ste 600, Chicago
Phone: 312-346-5060
Fax:
E-Mail: albrecht@cdm.com

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-92817

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2, 8, 3, 1

Client CDM Smith		Client Project # 101127		Preservative																Preservative Key 4 1101 00010 10	
Project Name Wedron, IL				Parameter																500-92817 COC	
Project Location/State Wedron, IL		Lab Project #																			
Sampler C. Cox		Lab PM Bonnie Stadelman																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix															Comments
1		GP-16A-150303	03/03/15	0900	5	SO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2		GP-16A-150303D		0905	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3		GP-16B-150303		0920	6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4	X	GP-17A-150303		1000	15		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5		GP-17B-150303		1015	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6		GP-18A-150303		1050	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7		GP-18B-150303		1100	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		GP-19A-150303		1135	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9		GP-19B-150303		1145	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10		TRIP BLANK B			2	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ☒ 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By
Catherine Cox
Company
CDM Smith
Date
05/03/15
Time
1735

Relinquished By
Company
Date
Time

Relinquished By
Company
Date
Time

Received By
Catherine Cox
Company
TA
Date
3/3/15
Time
1735

Received By
Company
TA-CHI
Date
3/4/15
Time
0730

Received By
Company
Date
Time

Lab Courier
TA

Shipped

Hand Delivered

Matrix Key
WW - Wastewater
W - Water
S - Soil
SL - Sludge
MS - Miscellaneous
OL - Oil
A - Air
SE - Sediment
SO - Soil
L - Leachate
WI - Wipe
DW - Drinking Water
O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) C. Albrecht
Contact: CDMSmith
Company: 125 S. Wacker Dr
Address: Ste 600 Chicago
Address: 312-316-5200
Phone: Albrechtca@cdm.com
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-92817

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Preservative Key	
Project Name		Project Location/State		Lab Project #		Lab PM		Comments	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix			
11		GP-20A-150303	03/03/15	1255	5	SO	X	X	X
12		GP-20B-150303		1300	1		X	X	X
13		GP-21A-150303		1335	1		X	X	X
14		GP-21A-150303D		1340	1		X	X	X
15		GP-21B-150303		1345	1		X	X	X
16		TRIP BLANK A			2	W	X		

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ☒ 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By Catherine Cox Company CDMSmith Date 03/03/15 Time 1735

Received By Jeff Jones Company TA Date 3/3/15 Time 1735

Lab Courier OT

Shipped

Hand Delivered

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 500-92817-1

Login Number: 92817

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8,3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C

Data Validation/Data Verification Report

**Wedron Groundwater Contamination Site
Data Validation Worksheet
Stage 2A validation**

Laboratory Job Number
Laboratory:
Matrix:
Collection date:

**500-69043-1
TestAmerica, Chicago, IL
Soils
December 19 - 20, 2013**

Analysis/Methods:

GC/MS Volatile Organic Compounds
GC/MS Semivolatile Organic Compounds
Total Lead

SW 846 8260B
SW 846 8270D
SW 846 6010B

Samples:

	<u>Laboratory ID</u>		<u>Laboratory ID</u>		<u>Laboratory ID</u>
GP-01A-131219	500-69043-1	GP-06A-131219	500-69043-11	GP-11B-131220D	500-69043-21
GP-01B-131219	500-69043-2	GP-06B-131219	500-69043-12	Trip Blank 122013	500-69043-22
GP-02A-131219	500-69043-3	GP-06B-131219D	500-69043-13	GP-07A-131220	500-69043-23
GP-02B-131219	500-69043-4	Trip Blank 121913	500-69043-14	GP-07B-131220	500-69043-24
GP-03A-131219	500-69043-5	GP-09A-131220	500-69043-15	GP-07B-131220D	500-69043-25
GP-03B-131219	500-69043-6	GP-09B-131220	500-69043-16	GP-04A-131220	500-69043-26
GP-05A-131219	500-69043-7	GP-10A-131220	500-69043-17	GP-04B-131220	500-69043-27
GP-05B-131219	500-69043-8	GP-10B-131220	500-69043-18		
GP-08A-131219	500-69043-9	GP-11A-131220	500-69043-19		
GP-08B-131219	500-69043-10	GP-11B-131220	500-69043-20		

Reference Document Used in Data Validation:

USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (NFGs)
USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, January 2010 (NFGs)
Quality Assurance Project Plan for Illinois Railway, LLC Right of Way, Wedron Groundwater Contamination Site, October 29, 2013

Volatile Organic Compounds Method 8260

Precision:

Are the field duplicate relative percent differences (RPD) ≤ 50%?

Are the matrix spike duplicates RPD ≤ 20%?

Comments (note deviations):

Yes No N/A

No

No

Field Duplicates

The QAPP provides the RPD limit of 50%, however, the NFGs state the when either value is within 5 x the reporting limit (RL), the criteria becomes more accurately related to the RL level than the actual percent. The criteria suggested for soil is the absolute difference between the two values should be ≤ 2 times the RL. The RPD is not calculated when the compound is detected in one sample and not detected in the other.

RPDs and absolute value differences which exceeded the QC criteria are in bold below. These compounds have been qualified as estimated in the native sample and the duplicate. (J)

Sample GP-06B-131219D is a field duplicate of GP-06B-131219

	Sample	Duplicate	RPD	RL	Qualifier
Ethylbenzene	0.9	0.24	115.8	0.005	J
Toluene	0.17	0.13	26.7		
Xylenes	1.5	0.44	109.3	0.01	J

Sample GP-11B-131219D is a field duplicate of GP-11B-131219

	Sample	Duplicate	RPD	
Ethylbenzene	160	65	84.4	J
Toluene	39	4.2	161.1	J
Xylenes	940	310	100.8	J

Sample GP-07B-131220D is a field duplicate of GP-07B-131220

	Sample	Duplicate	RPD	
Ethylbenzene	8.4	3.7	77.7	J
Toluene	1.5 U	0.016	NC	
Xylenes	9.2	5.3	53.8	J

All results are in mg/kg

Matrix Spikes/Matrix Spike duplicate (MS/MSD) relative percent difference (RPD)

The RPD of matrix spike and matrix spike duplicate recoveries in preparation batch 218482 recovered outside of control limits.

Samples GP-09A-131220, GP-11A-131220, and GP-04A-131220 are associated with the MS/MSD analysis.

	MS	MSD	RPD
Acetone	0.0251	0.0465	60
Methyl ethyl ketone	0.0287	0.048	50

All results are in mg/kg

The National Functional Guidelines state: "No qualification of the data is necessary on MS and MSD data alone. However, using informed professional judgment, the data reviewer may use the MS and MSD results in conjunction with other QC criteria to determine the need for some qualification of the data."

The data for these compounds were not qualified on the basis of the MS/MSD RPDs.

Accuracy:

Was the Matrix Spike/Matrix Spike Duplicates criteria met? (frequency $\geq$ 5% and laboratory determined control limits)

Laboratory Control Sample criteria met?

Were the Laboratory Method Blank results all < RL?

Were the Trip Blanks/Field Blanks results all < RL?

Were the Surrogate % recoveries within the laboratory defined control limits?

Comments (note deviations):

Data pertaining to calibrations, tuning, and internal standards are not applicable to a level 2 data review. Data were not requested or provided

Yes	No	N/A
	No	
	Yes	
	Yes	
	Yes	
	No	

Surrogates

Sample	% Recovery	Limit	Qualifier
	1,2-Dichloroethane-d4		
GP-08B-131219	129	75-125	None
GP-06B-131219	150	75-125	

The NFGs, which are written for Contract Laboratory Program (CLP) methods, do not apply to method 8260 surrogate recovery qualifications because the surrogate compounds by the two methods are not the same. Method 8260 uses 4 surrogates, CLP has more. Borrowing the concept of the "associated compounds" found in the NFGs however, the aromatic compounds detected have not been qualified based on surrogate 1,2-Dichloroethane-d4. The recovery of surrogate toluene-d8, which is more reasonably associated, was within criteria.

Surrogate 1,2-Dichloroethane-d4 also exceeded the recovery criteria for samples that were then reanalyzed at a dilution. The dilution surrogate recoveries were within QC criteria and no qualifiers were applied to data from the original or the dilution. This applies to the following samples:

GP-01B-131219	Qualifier None
GP-02B-131219	
GP-03B-131219	
GP-05B-131219	
GP-11B-131220	

Matrix Spikes

The matrix spike recoveries, and the RPD for one compound, of the spike of sample GP-04A-131220 were below the laboratory defined criteria. The LCS recoveries were in control and the exceedances were attributed to matrix interference. Recoveries less than 10% were from compounds that were also reported in the native sample.

The National Functional Guidelines state: "No qualification of the data is necessary on MS and MSD data alone. However, using informed professional judgment, the data reviewer may use the MS and MSD results in conjunction with other QC criteria to determine the need for some qualification of the data." No qualifiers have been applied.

Recoveries for another methanol extraction matrix spike, on sample GP-06A-131219, were all within control.

Laboratory Control Sample

The LCS 1,1,1-trichloroethane recovery, in batch 218642, was above QC criteria at 124% recovery (123 %recovery limit).

Because the LCS recovery was high and this compound was not detected in the samples, no qualification was required.

Semivolatiles by method SW8270

Precision:

Were the Field Duplicate relative percent differences (RPD) $\leq$ 50%?

Were the Matrix Spike Duplicate RPDs $\leq$ 20%?

Comments (note deviations):

Yes No N/A

No

No

Field Duplicates

The QAPP provides the RPD limit of 50%, however, the NFGs state the when either value is within 5 x the reporting limit (RL), the criteria becomes more accurately related to the RL level than the actual percent. The criteria suggested for soil is the absolute difference between the two values should be $\leq$ 2 times the RL. The RPD is not calculated when the compound is detected in one sample and not detected in the other, or when either one or both values are estimated.

RPDs and absolute value differences which exceeded the QC criteria are in bold below. These compounds have been qualified as estimated in the native sample and the duplicate. (J)

Sample GP-06B-131219D is a field duplicate of GP-06B-131219 (Lab IDs -12 and -13)

	Sample	Duplicate	RPD	RL	Abs	Qualifier
2-methylnaphthalene	2.2	0.51	124.7	0.005	NA	J
acenaphthene	0.032	0.035 U	NC	0.036	NA	
benzo(a) anthracene	0.028	0.012 J		0.036	< 2x RL	
benzo(a) pyrene	0.015	0.0088 J		0.036	< 2x RL	
benzo(b) fluoranthene	0.021	0.0097 J		0.036	< 2x RL	
benzo(g,h,i) perylene	0.013	0.035 U	NC	0.036		
chrysene	0.018	0.035 U	NC	0.036		
Bis(2-ethylhexyl) phthalate	0.18 U	0.26	NC			
fluoranthrene	0.12	0.04	100.0	0.036	> 2x RL	J
fluorene	0.059	0.035 U		0.036		
naphthalene	0.099	0.0085 J	NC	0.036		
phenanthrene	0.19	0.035	137.8	0.036	> 2x RL	J
pyrene	0.088	0.033 J	NC	0.036	< 2x RL	

Sample GP-11B-131219D is a field duplicate of GP-11B-131219 (Lab IDs -20 and -21)

	Sample	Duplicate	RPD			
acenaphthene	0.036 U	0.026 J	NC	0.036		
2-methylnaphthalene	4.1	20	132.0			J
naphthalene	2.2	16	151.6	0.036		J
fluoranthrene	0.036 U	0.019	NC	0.036		
fluorene	0.036 U	0.049	NC	0.036		
phenanthrene	0.041	0.23	139.5	0.036	> 2x RL	J
pyrene	0.0081 J	0.025 J	NC	0.036	< 2x RL	

Sample GP-07B-131220D is a field duplicate of GP-07B-131220 (Lab IDs -24 and -25)

	Sample	Duplicate	RPD			
fluoranthrene	0.013 J	0.019 J	NC	0.036	< 2x RL	
2-methylnaphthalene	1.7	1.1	42.9	0.005		
naphthalene	0.55	0.57	3.6	0.036		
phenanthrene	0.045	0.04	11.8	0.036	< 2x RL	
pyrene	0.0091 J	0.11 J	NC	0.036	< 2x RL	

Matrix Spikes/Matrix Spike duplicate (MS/MSD) relative percent difference (RPD)

The RPD of matrix spike and matrix spike duplicate recoveries in preparation batch 218482 recovered outside of control limits.

Samples GP-09A-131220, GP-11A-131220, and GP-04A-131220 are associated with the MS/MSD analysis.

	MS	MSD	RPD
2,4-Dinitrophenol	1.29	2.21	52
2,4,5-Trichlorophenol	0.911	1.49	48

All results are in mg/kg

The National Functional Guidelines state: "No qualification of the data is necessary on MS and MSD data alone. However, using informed professional judgment, the data reviewer may use the MS and MSD results in conjunction with other QC criteria to determine the need for some qualification of the data."

The data for these compounds were not qualified on the basis of the MS/MSD RPDs.

Accuracy:

Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency $\geq$ 5% and laboratory determined control limits)

Was the Laboratory Control Sample criteria met?

Were the Laboratory Method Blank results all < RL?

Were the Surrogate % recoveries within laboratory determined control limits?

Comments (note deviations):

Yes No N/A

No

Yes

Yes

No

Surrogates

The following surrogate recoveries were outside criteria:

	% Recovery	Limits	Compounds	Qualifier
GP-02B-131219	2-Fluorobiphenyl 122%	25-119%	2-methylnaphthalene naphthalene phenanthrene fluorene fluoranthrene pyrene	J+

The recovery of the aromatic surrogate 2-fluorobiphenyl exceeded the QC limit and therefore the positive PAH detections in the sample were estimated as possibly biased high (J+)

Matrix spikes

Two matrix spike/matrix spike duplicate analyses were performed, on samples GP-04A-131220 and GP-06A-131219. One or two matrix spike recoveries were below QC limits; hexachlorocyclopentadiene was not reported to be recovered (0%) in both MS/MSDs, and 4,6-dinitro-2-methylphenol was not reported to be recovered (0%) in one of those. This is considered to be a matrix effect as all LCS recoveries were within criteria. In accordance with the NFGs, no qualifiers have been applied.

Metals

Precision:

Are the field duplicate relative percent differences (RPD) $\leq 50\%$?

Are the laboratory duplicate RPDs $\leq 20\%$?

Are the matrix spike duplicates RPD $\leq 20\%$?

Yes No N/A

No

Yes

Yes

Comments (note deviations):

Field Duplicates

The QAPP provides the RPD limit of 50%, however, the NFGs state the when either value is within 5 x the reporting limit (RL), the criteria becomes more accurately related to the RL level than the actual percent. The criteria suggested for soil is the absolute difference between the two values should be ≤ 2 times the RL. The RPD is not calculated when the compound is detected in one sample and not detected in the other.

Sample GP-06B-131219D is a field duplicate of GP-06B-131219

	Sample	Duplicate	RPD	RL	Abs
lead	4	4.7	16.1	0.48	NA

Sample GP-11B-131219D is a field duplicate of GP-11B-131219

	Sample	Duplicate	RPD	Qualifier
lead	4	7.6	62.1	J

The lead result in sample GP-11B-131219 and GP-11B-131219D has been qualified as estimated (J)

Sample GP-07B-131220D is a field duplicate of GP-07B-131220

	Sample	Duplicate	RPD
lead	11	8.5	25.6

All results are in mg/kg

Laboratory Duplicates

Laboratory duplicates were performed in addition to MS/MSDs. Duplicate results were within 20% RPD

Accuracy:

Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?

Was post digestion spike criteria met (if applicable)?

Was laboratory control sample criteria met?

Was laboratory blank results < reporting limits?

Yes No N/A

No

unknown

Yes

Yes

Comments (note deviations):

Matrix spikes

Matrix spikes were performed on the two assigned samples. The matrix spike recoveries for lead are summarized below.

Recoveries were below the QC criteria and lead results have been qualified as estimated with a possible low bias (J-)

Sample GP-06A-131219 Preparation batch 218329

	MS/MSD % Recovery	Limits	Qualifier
lead	55/100	75-125	J-

Sample GP-04A-131220 Preparation batch 218336

	MS/MSD % Recovery	Limits	Qualifier
lead	65/49	75-125	J-

All samples qualified J-

Blanks

Method blank results, below the RL, were less than 10x the sample results and no qualification was required on the basis of blank results.

Representativeness:

Were sampling procedures and design criteria met?

Were holding times met?

Was preservation criteria met? ($4^{\circ}\text{C} \pm 2^{\circ}\text{C}$)?

Were Chain-of-Custody records complete and provided in data package?

Yes No N/A

Yes

Yes

Yes

Yes

Comments (note deviations):

The trip blanks were not preserved. No qualifiers were applied.

Comparability:

Were analytical procedures and methods follows as defined in the QAPP or field change documentation?

Comments (note deviations):

Yes No N/A

Yes

Completeness (90%):

Are all data in this SDG usable?

Comments (note deviations):

Yes No N/A

Yes

Sensitivity:

Are MDLs present and reported?

Do the reporting limits meet project requirements?

Comments (note deviations):

MDLs and the low level standard concentrations were provided upon request.

Yes No N/A

Yes

Yes

Data Validator: Kimberly Ziilis

Date: 1/23/2014

**Wedron Groundwater Contamination Site
Data Validation Worksheet
Stage 2A validation**

Laboratory Job Number
Laboratory:
Matrix:
Collection date:

**500-74118-1
TestAmerica, Chicago, IL
Soils
March 27 - 28, 2014**

Analysis/Methods:

GC/MS Volatile Organic Compounds
GC/MS Semivolatile Organic Compounds
Total Lead

SW 846 8260B
SW 846 8270D
SW 846 6010B

Samples:

<u>Sample ID</u>	<u>Laboratory ID</u>
GP-12A-140327	500-74118-1
GP-12B-140327	500-74118-2
GP-13A-140328	500-74118-3
GP-13B-140328	500-74118-4
GP-13A-140328D	500-74118-5
GP-14A-140327	500-74118-6
GP-14B-140327	500-74118-7
GP-15A-140327	500-74118-8
GP-15B-140327	500-74118-9
TRIP BLANK	500-74118-10

Reference Document Used in Data Validation:

USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (NFGs)
USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, January 2010 (NFGs)
Quality Assurance Project Plan for Illinois Railway, LLC Right of Way, Wedron Groundwater Contamination Site, October 29, 2013

Volatile Organic Compounds Method 8260

Precision:

Are the field duplicate relative percent differences (RPD) $\leq$ 50%?

Are the matrix spike duplicates RPD $\leq$ 20%?

Comments (note deviations):

Yes No N/A

No

No

Field Duplicates

The QAPP provides the RPD limit of 50%, however, the NFGs state the when either value is within 5 x the reporting limit (RL), the criteria becomes more accurately related to the RL level than the actual percent. The criteria suggested for soil is the absolute difference between the two values should be $\leq$ 2 times the RL. The RPD is not calculated when the compound is detected in one sample and not detected in the other.

Sample GP-13A-140328D is a field duplicate of GP-13A-140328

	Sample	Duplicate	RPD	RL	Qualifier
acetone	0.0055 U	0.0056	NA	0.0055	none

Accuracy:

Was the Matrix Spike/Matrix Spike Duplicates criteria met? (frequency $\geq$ 5% and laboratory determined control limits)

Laboratory Control Sample criteria met?

Were the Laboratory Method Blank results all < RL?

Were the Trip Blanks/Field Blanks results all < RL?

Were the Surrogate % recoveries within the laboratory defined control limits?

Comments (note deviations):

Data pertaining to calibrations, tuning, and internal standards are not applicable to a level 2 data review. Data were not requested or provided

Yes	No	N/A

Yes		

Yes		

Yes		

Yes		

Yes		

Semivolatiles by method SW8270

Precision:

Were the Field Duplicate relative percent differences (RPD) $\leq$ 50%?

Were the Matrix Spike Duplicate RPDs $\leq$ 20%?

Comments (note deviations):

Yes No N/A

Yes

Yes

Field Duplicates

The QAPP provides the RPD limit of 50%, however, the NFGs state the when either value is within 5 x the reporting limit (RL), the criteria becomes more accurately related to the RL level than the actual percent. The criteria suggested for soil is the absolute difference between the two values should be $\leq$ 2 times the RL. The RPD is not calculated when the compound is detected in one sample and not detected in the other, or when either one or both values are estimated.

Sample GP-13A-140328D is a field duplicate of GP-13A-140328

	Sample	Duplicate	RPD	RL	Qualifier
bis (2-ethylhexyl) phthalate	0.18 U	0.11	NA	0.18	none

Accuracy:

Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency $\geq$ 5% and laboratory determined control limits)

Was the Laboratory Control Sample criteria met?

Were the Laboratory Method Blank results all $<$ RL?

Were the Surrogate % recoveries within laboratory determined control limits?

Comments (note deviations):

Yes No N/A

Yes

No

Yes

Yes

Laboratory Control Sample

The recovery for bis 2-ethylhexyl phthalate and butylbenzylphthalate were above the QC limits. The data for these compounds when detected in the sample were qualified as estimated.

	LCS recovery	Control limits
bis 2-ethylhexyl phthalate	134%	52-129%
butylbenzylphthalate	135%	54-126%

Metals

Precision:

Are the field duplicate relative percent differences (RPD) $\leq$ 50%?

Are the laboratory duplicate RPDs $\leq$ 20%?

Are the matrix spike duplicates RPD $\leq$ 20%?

Yes	No	N/A

Yes		

Yes		

Yes		

Comments (note deviations):

Field Duplicates

Sample GP-13A-140328D is a field duplicate of GP-13A-140328

	Sample	Duplicate	RPD	RL		Qualifier
lead	4.1	4.3	4.8	0.54	none	

Laboratory Duplicates

Laboratory duplicates were performed in addition to MS/MSDs. Duplicate results were within 20% RPD

Accuracy:

Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?

Was post digestion spike criteria met (if applicable)?

Was laboratory control sample criteria met?

Was laboratory blank results < reporting limits?

Yes	No	N/A

Yes		

NA		

Yes		

Yes		

Comments (note deviations):

Blanks

Method blank results, below the RL, were less than 10x the sample results and no qualification was required on the basis of blank results.

Representativeness:

Were sampling procedures and design criteria met?

Were holding times met?

Was preservation criteria met? ($4^{\circ}\text{C} \pm 2^{\circ}\text{C}$)?

Were Chain-of-Custody records complete and provided in data package?

Yes	No	N/A

Yes		

Yes		

Yes		

Yes		

Comments (note deviations):

The trip blanks were not preserved. No qualifiers were applied.

Comparability:

Were analytical procedures and methods follows as defined in the QAPP or field change documentation?

Yes	No	N/A

Yes		

Comments (note deviations):

Completeness (90%):

Are all data in this SDG usable?

Yes	No	N/A

Yes		

Comments (note deviations):

Sensitivity:

Are MDLs present and reported?

Do the reporting limits meet project requirements?

Yes	No	N/A

Yes		

Yes		

Comments (note deviations):

MDLs and the low level standard concentrations were provided upon request.

Data Validator:

Kimberly Zilis

Date:

1/23/2014

**Wedron Groundwater Contamination Site
Data Validation Worksheet
Stage 2A validation**

Laboratory Job Number
Laboratory:
Matrix:
Collection date:

**500-74912-1
TestAmerica, Chicago, IL
Water
April 9, 2014**

Analysis/Methods: GC/MS Volatile Organic Compounds SW 846 8260B
GC/MS Semivolatile Organic Compounds SW 846 8270D
Total Lead SW 846 6010B

Samples:

<u>Sample ID</u>	<u>Laboratory ID</u>
GW-MW12-140409	500-74912-1
GW-MW13-140409	500-74912-2
GW-MW14-140409	500-74912-3
GW-MW15-140409	500-74912-4
GW-MW14-140409D	500-74912-5
Trip Blank	500-74912-6
FB-MW12-140409	500-74912-7

Reference Document Used in Data Validation:

USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2006
USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, January 2010
Quality Assurance Project Plan for Illinois Railway, LLC Right of Way, Wedron Groundwater Contamination Site, October 29, 2013

Precision:

Yes No N/A

Are the field duplicate relative percent differences (RPD) $\leq 25\%$, or if the value is within 5 x the RL, is the absolute difference between the values ≤ 2 times the RL?

Yes

Are the matrix spike duplicates RPD $\leq 20\%$?

Yes

Comments (note deviations):

Field Duplicates

All compounds were within criteria.

Sample GW-MW14-140409D is a field duplicate of GW-MW14-140409

	Sample	Duplicate	RPD	RL	Qualifier
acetone	0.041	0.034	18.7	0.005	none
benzene	0.0043	0.0042	2.4	0.0005	none
carbon disulfide	0.001	0.00082	ABS	0.005	none
ethylbenzene	0.041	0.042	2.4	0.0005	none
methyl ethyl ketone	0.025	0.017	ABS	0.005	none
toluene	0.061	0.06	1.7	0.0005	none
xylene	0.33	0.36	8.7	0.002	none
bis 2-ethylhexyl phthalate	0.011	0.023	ABS	0.0083	none
2,4-dimethylphenol	0.0067	0.0075	11.3	0.0083	none
2-methylnaphthalene	0.005	0.0059	16.5	0.00042	none
3 and 4-methylphenol	0.0011	0.0016 U	not applicable	0.0016	
naphthalene	0.016	0.018	11.8	0.00083	none
lead	0.03	0.027	10.5	0.005	none

Absolute value difference criteria (ABS)

Volatile Organic Compounds Method 8260

Accuracy:

Yes No N/A

Was the Matrix Spike/Matrix Spike Duplicates criteria met? (frequency $\geq 5\%$ and laboratory determined control limits)

Yes

Laboratory Control Sample criteria met?

Yes

Were the Laboratory Method Blank results all $< RL$?

Yes

Were the Trip Blanks/Field Blanks results all $< RL$?

Yes

Were the Surrogate % recoveries within the laboratory defined control limits?

Yes

Comments (note deviations):

Data pertaining to calibrations, tuning, and internal standards are not applicable to a level 2 data review. Data were not requested or provided

Matrix Spikes

The matrix spike duplicate was run just past the 12 hour tune. This is not judged to have affected the quality of the data.

Semivolatiles by method SW8270

Accuracy:

Yes No N/A

Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency $\geq$ 5% and laboratory determined control limits)

Yes

Was the Laboratory Control Sample criteria met?

Yes

Were the Laboratory Method Blank results all < RL?

Yes

Were the Surrogate % recoveries within laboratory determined control limits?

No

Comments (note deviations):

Surrogates

The recovery of surrogate 2,4,6-tribromophenol, with a recovery of 51% was below the QC limit (53%) in the field blank, FB-MW12-140409. This is not judged to have a affect on the quality of the data and no qualifiers have been applied to the field QC sample.

Metals

Accuracy:

Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?
Was post digestion spike criteria met (if applicable)?
Was laboratory control sample criteria met?
Was laboratory blank results < reporting limits?
Comments (note deviations):

Yes	No	N/A

Yes		

N/A		

Yes		

Yes		

Representativeness:

Were sampling procedures and design criteria met?
Were holding times met?
Was preservation criteria met? (4° C ± 2° C)?
Were Chain-of-Custody records complete and provided in data package?
Comments (note deviations):

Yes	No	N/A

Yes		

Yes		

Yes		

Yes		

Comparability:

Were analytical procedures and methods follows as defined in the QAPP or field change documentation?
Comments (note deviations):

Yes	No	N/A

Yes		

Completeness (90%):

Are all data in this SDG usable?
Comments (note deviations):

Yes	No	N/A

Yes		

Sensitivity:

Are MDLs present and reported?
Do the reporting limits meet project requirements?
Comments (note deviations):

Yes	No	N/A

Yes		

Yes		

Data Validator:

Kimberly Zilis

Date: 4/25/2014

Appendix D

Groundwater Quality Data

GROUNDWATER MONITORING WELL PURGING AND SAMPLING LOG

PROJECT NO.: 101127		SAMPLE LOCATION:	
PROJECT NAME: WEDRON, IL		SAMPLE ID: MW-12	
DATE: 4/9/14		SAMPLED BY:	
EQUIPMENT DECONTAMINATED: YES		PURGE START TIME: 10:15	
PURGING METHOD: Submersible Pump			
Well Casing Diameter 4" () 5" () 6" ()			
Initial Meter Reading:		Final Meter Reading:	
Well Total Depth		Total Volume Removed:	
Original DTW		Casing Volume	
4"=0.66		Purge Volume	
5"=0.93			
6"=1.5			
=		X 3 case vol. =	
Initial Groundwater Level:		Final Groundwater Level:	
Actual Time	Volume Purged (gallons)	Temperature (F)	pH
			Conductance (umhos/cm)
			MS/cm
			Dissolved oxygen (mg/L)
			ORP
			Turbidity NTu
			Description
10:25		10.81	7.09
			1.603
			2.31
			-93.5
			turbid
10:30		10.70	7.05
			1.602
			.84
			-99.4
			47.4
10:35		10.38	7.02
			1.595
			.50
			-89.5
			14.8
10:40		10.39	7.00
			1.598
			.51
			-94.6
			39.6
10:45		10.49	6.99
			1.602
			.47
			-95.8
			21.0
10:50		10.75	6.48
			1.612
			.47
			-99.2
			18.8
10:55	SAMPLED		
Average Purge Rate: 400 ml/min		Total Time:	
Laboratory Analysis: VOCs, SVOCs, lead			
Total number of bottles: 6			
Comments:			
QC Sample Collected? Yes () No (X) If YES, then type of sample and sample ID:			

GROUNDWATER MONITORING WELL PURGING AND SAMPLING LOG

PROJECT NO.: 101127				SAMPLE LOCATION:				
PROJECT NAME: Wedron, IL				SAMPLE ID: MW-13				
DATE: 4/9/14				SAMPLED BY:				
EQUIPMENT DECONTAMINATED: YES				PURGE START TIME: 13:10				
PURGING METHOD: Submersible Pump								
Well Casing Diameter 4" () 5" () 6" ()								
Initial Meter Reading:		Final Meter Reading:		Total Volume Removed:				
Well Total Depth	Original DTW	4"=0.66 5"=0.93 6"=1.5	Casing Volume	Purge Volume				
=		x	=	X 3 case vol. =				
Initial Groundwater Level:				Final Groundwater Level:				
Actual Time	Volume Purged (gallons)	Temperature (F)	pH	Conductance (mS/cm)	Dissolved oxygen (mg/L)	ORP	Turbidity NTu	Description
13:15		13.40	7.09	1.147	1.71	-74.4	too turbid	
13:20		13.54	7.07	1.155	1.39	-75.2	turbid	
13:25		13.52	7.07	1.156	1.11	-79.1	turbid	
13:30		13.64	7.07	1.160	.96	-81.3	turbid	
13:35		13.66	7.07	1.163	.86	-77.6	turbid	
13:40		13.56	7.08	1.159	.75	-88.9	turbid	
13:45		13.70	7.07	1.164	.78	-88.1	turbid	
13:50	5 ft MSL	12						
Average Purge Rate: 400 ml/m								Total Time:
Laboratory Analysis: VOCs, SVOCs, lead								
Total number of bottles: 6								
Comments:								
QC Sample Collected? Yes (X) No () If YES, then type of sample and sample ID: MS/MSO								

GROUNDWATER MONITORING WELL PURGING AND SAMPLING LOG

PROJECT NO.: 101127				SAMPLE LOCATION:				
PROJECT NAME: Weldon, IL				SAMPLE ID: MW-14				
DATE: 4/9/14				SAMPLED BY:				
EQUIPMENT DECONTAMINATED: YES				PURGE START TIME: 11:20				
PURGING METHOD: Submersible Pump								
Well Casing Diameter 4" () 5" () 6" ()								
Initial Meter Reading:		Final Meter Reading:		Total Volume Removed:				
Well Total	Original DTW	4"=0.66	Casing Volume	Purge Volume				
Depth		5"=0.93						
		6"=1.5						
-		=		x		= X 3 case vol. =		
Initial Groundwater Level:				Final Groundwater Level:				
Actual Time	Volume Purged (gallons)	Temperature (F)	pH	Conductance (µS/cm) mS/cm	Dissolved oxygen (mg/L)	ORP	Turbidity NTu	Description
11:25		13.33	7.18	1.007	.51	-759		turbid - over range
11:30		13.42	7.17	1.011	.40	-78.2		turbid
11:35		13.85	7.15	1.022	.23	-86.2		turbid
11:40	4/9/14							
11:45		15.25	7.12	1.058	.22	-88.7		turbid
11:50		14.78	7.11	1.049	.26	-89.9		turbid
11:55		15.89	7.10	1.080	.33	-88.1		turbid
12:00	SAMPLE							
Average Purge Rate: 400 ml/min								Total Time:
Laboratory Analysis: VOCs, SVOCs, lead								
Total number of bottles: 12								
Comments: Having issues w/ pump stopping / well drying out.								
QC Sample Collected? Yes (X) No () If YES, then type of sample and sample ID: duplicate								

GM-MW14-840409-D

GROUNDWATER MONITORING WELL PURGING AND SAMPLING LOG

PROJECT NO.: 101127	SAMPLE LOCATION: MW-15
PROJECT NAME: WEDRON, IL	SAMPLE ID:
DATE:	SAMPLED BY:
EQUIPMENT DECONTAMINATED: YES	PURGE START TIME: 08:40

PURGING METHOD: Submersible Pump

Well Casing Diameter 4" () 5" () 6" ()

Initial Meter Reading:	Final Meter Reading:	Total Volume Removed:
Well Total Depth	Original DTW	4"=0.66 5"=0.93 6"=1.5
	Casing Volume	Purge Volume
		X 3 case vol.

Initial Groundwater Level:					Final Groundwater Level:			
Actual Time	Volume Purged (gallons)	Temperature (F)	pH	Conductance (umhos/cm)	Dissolved oxygen (mg/L)	ORP	Turbidity NTu	Description
8:45		7.62	7.36	1.040	4.99	-102.2		
8:50		7.76	7.34	1.044	2.44	-100.6	8.99	
8:55		7.79	7.32	1.048	1.97	-100.1	9.21	
9:00		7.87	7.30	1.649	1.46	-99.1	11.7	
9:05		7.91	7.28	1.056	1.33	-99.0	15.7	
9:10		7.91	7.27	1.062	1.37	-116.3	16.1	
9:15		8.06	7.26	1.007				
9:20	SAMPLE							
9:25		7.60	7.29	1.038	2.32	-116.3	16.0	

Average Purge Rate: 400 ml/min Total Time:

Laboratory Analysis: VOCs, SVOCs, lead

Total number of bottles: 6

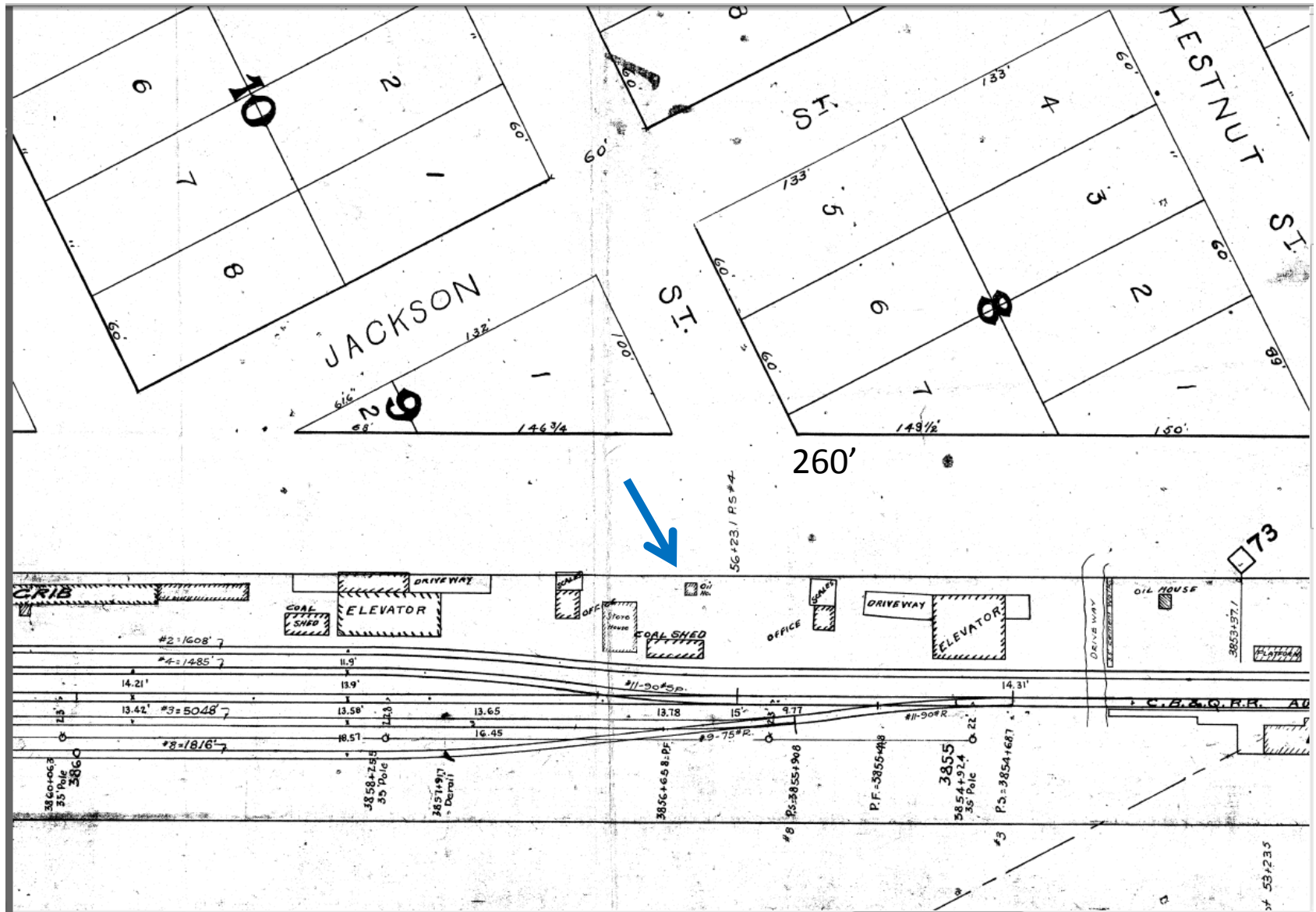
Comments:

QC Sample Collected? Yes () No ☒ If YES, then type of sample and sample ID:

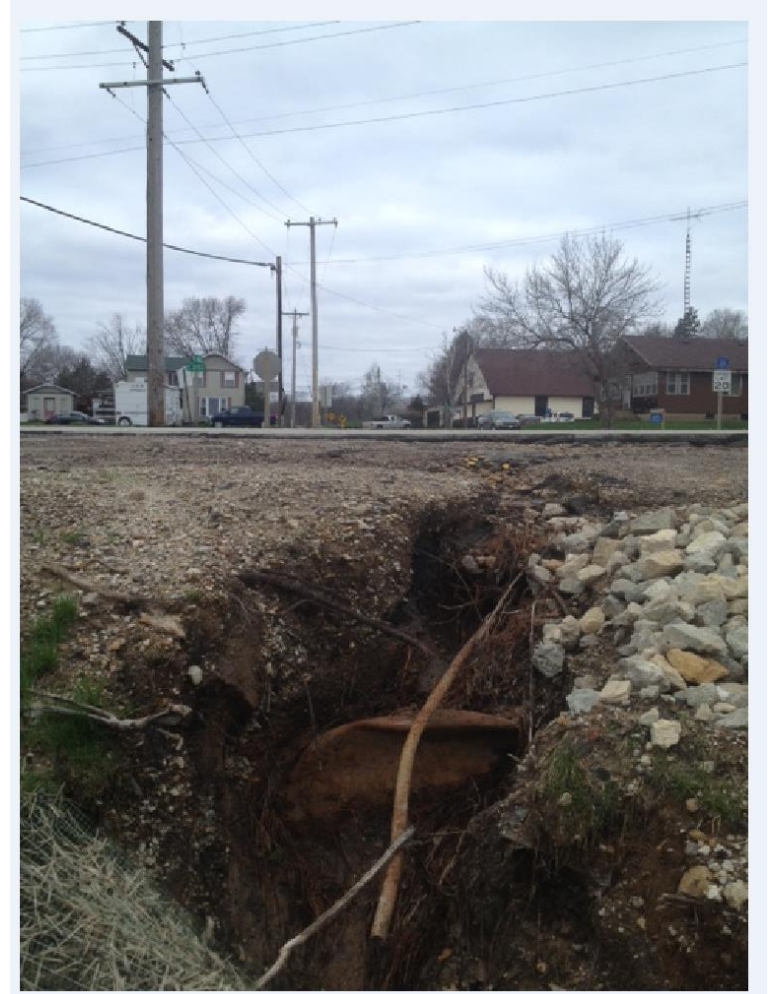
Appendix E

UST Documentation

Wedron orphaned UST discovered 4/19/13



Wedron orphaned UST discovered 4/19/13 exposed by embankment erosion



Wedron UST removed 4/29/13, Incident #H2013-0463
Upon excavation the top of the UST was found to be previously
opened and the tank was full of sand



Wedron UST removed 4/29/13

Incident #H2013-0463



Wedron UST sampling by EPA contractor (Weston) 4/29/13
Incident #H2013-0463



Wedron UST removed 4/29/13

Incident #H2013-0463



Sidewall of Wedron UST excavation

4/29/13

