

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

|                        |   |              |
|------------------------|---|--------------|
| ILLINOIS RAILWAY, LLC, | ) |              |
|                        | ) |              |
| Petitioner,            | ) |              |
|                        | ) |              |
| v.                     | ) | PCB 17-54    |
|                        | ) | (UST Appeal) |
| ILLINOIS ENVIRONMENTAL | ) |              |
| PROTECTION AGENCY,     | ) |              |
|                        | ) |              |
| Respondent.            | ) |              |

**NOTICE OF FILING**

|     |  |                                  |
|-----|--|----------------------------------|
| To: | Bradley P. Halloran                    | David L. Rieser                  |
|     | Hearing Officer                        | K&L GATES LLP                    |
|     | Illinois Pollution Control Board       | 70 W. Madison Street, Suite 3100 |
|     | James R. Thompson Center, Suite 11-500 | Chicago, IL 60602                |
|     | 100 W. Randolph Street                 | David.Rieser@klgates.com         |
|     | Chicago, IL 60601                      |                                  |
|     | Brad.Halloran@illinois.gov             |                                  |

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board a Motion for Leave to File Record *Instantly* and the Certificate of Record on Appeal and the accompanying documents comprising the entire record of the decision of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

Respectfully submitted,

Dated: July 27, 2017

ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY,

Scott B. Sievers  
Attorney Registration No. 6275924  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276  
(217) 782-5544  
Scott.Sievers@Illinois.gov

Respondent,

BY: /s/Scott B. Sievers  
Scott B. Sievers  
Special Assistant Attorney General

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|                        | ) |              |
| Respondent.            | ) |              |

**MOTION FOR LEAVE TO FILE RECORD *INSTANTER***

NOW COMES the Respondent, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (“Illinois EPA”), by and through its attorney, Special Assistant Attorney General Scott B. Sievers, and moves for leave to file the record *instanter*. In support, the Respondent states the following:

1. On June 22, 2017, the Board entered an Order providing, in pertinent part, that Illinois EPA was to file the entire record of its determination in this matter by July 12, 2017.
2. By agreement of the parties, the Hearing Officer entered an Order on July 11, 2017 providing, in pertinent part, that the record would be filed by July 26, 2017.
3. On July 26, 2017, the 11-year-old daughter of the undersigned stayed home ill, with her parents splitting the day to stay home with her.
4. The undersigned took the materials for two UST appeal records home with him in the afternoon to work on while caring for his younger daughter.
5. The undersigned was able to compile and format the record in *IL Pit Stop, LLC v. Illinois EPA* (PCB No. 17-077), but was unable to file it using the Board’s electronic filing website. Instead, that record was e-mailed to the respective Hearing Officer and opposing counsel



as well as to the Clerk of the Board, who accepted it for filing.

6. The undersigned then turned to the record in the instant case. Again, the undersigned was able to compile and format the record, but was unable to file it using the Board's electronic filing website. Further, because of the substantial size of the record, the undersigned was unable to e-mail the record in the instant case to the Hearing Officer, opposing counsel, or the Clerk of the Board, even after reducing it in size in Adobe Acrobat Professional and compressing it into a .zip file.

7. Consequently, and due to the unanticipated difficulties encountered in filing and serving the record, the Respondent now moves for leave to file the record *instanter*.

WHEREFORE, the Respondent, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, prays that this honorable Board or the honorable Hearing Officer ALLOW the Respondent's MOTION FOR LEAVE TO FILE RECORD *INSTANTER*.

Respectfully submitted,

Dated: July 27, 2017

ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY,

Scott B. Sievers  
Attorney Registration No. 6275924  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276  
(217) 782-5544  
Scott.Sievers@Illinois.gov

Respondent,

BY: /s/Scott B. Sievers  
Scott B. Sievers  
Special Assistant Attorney General

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

ILLINOIS RAILWAY, LLC, )  
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 Petitioner, )  
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 ) (UST Appeal)  
 ILLINOIS ENVIRONMENTAL )  
 PROTECTION AGENCY, )  
 )  
 Respondent. )

**CERTIFICATE OF RECORD ON APPEAL**

Pursuant to 35 Ill. Adm. Code 105.116(b) and 105.410, the following constitutes an index of documents comprising the record:

| <b>PAGES</b> | <b>DOCUMENT</b>                                | <b>DATE</b> |
|--------------|--|-------------|
| 001-357      | CDM Smith Site Investigation Completion Report | 08/23/2016  |
| 358          | CDM Smith E-mail to Illinois EPA               | 10/21/2016  |
| 359-360      | CDM Smith E-mail to Illinois EPA               | 12/14/2016  |
| 361-363      | CDM Smith E-mail to Illinois EPA               | 12/29/2016  |
| 364-365      | CDM Smith E-mail to Illinois EPA               | 01/24/2017  |
| 366-369      | Illinois EPA decision letter                   | 02/02/2017  |

I, ERIC KUHLMAN, certify on information and belief that the entire record of the Respondent's decision, as defined in 35 Ill. Adm. Code 105.410(b), is hereby enclosed.

BY:



Eric Kuhlman  
Project Manager/Environmental Protection Engineer  
Leaking Underground Storage Tank Section  
Illinois Environmental Protection Agency

Kuhlman

Electronic Filing: Received, Clerk's Office 7/27/2017 11:54 AM

Illinois Railway, LLC  
Incident # 20130463  
Leaking UST Technical File

## REPORT

### Site Investigation Completion Report LUST Incident #20130463

Illinois Railway Property  
County Highway 21 and Walnut Street  
Wedron, IL 60557

Illinois Railway, L.L.C.

August 2016

**CDM  
Smith**

**RECEIVED**

AUG 23 2016

**IEPA/BOL**

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# Site Investigation Completion Report Illinois Railway Property

## County Highway 21 and Walnut Street IEMA No. 20130463

### Executive Summary

CDM Smith Inc. (CDM Smith) has prepared this SICR for Illinois Emergency Management Agency (IEMA) incident No. 20130463 located at County Highway 21 and Walnut Street in Wedron, Illinois (the Site). The Site as referenced in this SICR includes an area surrounding UST #2 that is a subset of the overall investigation. This area includes the borings located within 50 feet to the east, south and west of UST #2 as well as the piping and UST #3 to the north.

This report details the site investigation activities performed from 2012 to the present and presents the results and conclusions of the sampling investigation and corrective actions completed within the Site. It replaces a previous SICR that was submitted in 2015.

The IR rail line runs parallel to and east of County Highway 21. The ROW begins at the edge of the highway and at the same grade. Approximately 20 feet to the east, there is an embankment and the grade drops 7-8 feet to the railroad tracks. UST#2 was located within the right of way and adjacent to the upper level of the embankment. The erosion of the embankment exposed the UST in 2013.

The 500-gallon UST (UST #2) was removed on April 29, 2013 and LUST incident No. 20130463 was assigned. The early remedial actions associated with the Site consisted of the removal of approximately 200 gallons of liquid from the tank system, the excavation and off-site disposal of the 500-gallon tank, the removal and off-site disposal of approximately 30 cubic yards of petroleum-impacted soils, the collection of five (5) confirmation soil samples from both the excavation floor and sidewalls, and backfilling of the excavation with clean fill material.

Confirmatory samples indicated the west wall exceeded the soil remediation objectives (SROs) for the soil component of groundwater ingestion exposure route for benzene and ethylbenzene. Naphthalene exceeded the construction worker Inhalation SRO. Observations of the UST removal and soil excavation did not indicate free product or gross contamination of the soil. A 45-day report was submitted to the IEPA on June 13, 2013. The IEPA acknowledged receipt of the 45-day report in a letter to Illinois Railway dated July 8, 2013 (**Appendix B**). The letter stated that the release was not subject to mandatory corrective action under the Leaking UST Program since the UST had been taken out of operation prior to January 2, 1974.

Two additional soil borings, SB-22 and SB-23, were drilled approximately 3 feet west of the former UST#2 excavation. The soil analytical results indicated shallow benzene concentrations at 2-3 feet below ground surface (bgs). However soil analysis reported no hydrocarbon concentrations from 3 feet to 18 feet bgs. Hydrocarbon concentrations were reported in deeper

soil samples collected at the capillary fringe from 22-23 feet bgs. The absence of hydrocarbon concentrations directly below the former UST#2 from 3 to 18 feet bgs, show that the contamination at the capillary fringe is due to regional impacts, and not a release from the former UST#2.

Additional groundwater samples were collected from MW-22 (groundwater) and MW-23 (perched water) immediately west of the UST excavation. A sample collected from the perched water zone screened by MW-23 did not have any BTEX or PNA detections. The groundwater sample collected from the deeper monitoring well (MW-22) which extends to the capillary fringe exceeded the Class I GROs.

The release from UST #2 does not appear to be connected to this contamination in the capillary fringe because no benzene or other hydrocarbons were detected in groundwater collected from MW-23, which is screened at an interval between these two exceedances and just below the bottom of the former UST.

Based on review of historical documentation regarding the Site, the size of the tank, site observations, and the confirmatory samples collected during the UST #2 removal, the release from UST #2 appears to be limited to shallow soils near the original excavation. The 500-gallon UST appears to have been taken out of service by 1967. There was minimal visible contamination observed during removal of the tank and the confirmatory samples collected from the base of the excavation indicated no detections of BTEX. Only the west sidewall sample indicated Tier I SRO exceedances for benzene, ethylbenzene, and naphthalene. The most recent samples collected indicated exceedances of the migration to groundwater ROs for benzene in shallow soil (2-3' bgs) and at the capillary fringe (22-23' bgs).

With the removal of the historical UST#2 that was taken out of service prior to 1967, with confirmed non-detectable concentrations of petroleum hydrocarbons directly under the former UST and immediately downgradient, with no observed soil impacts recorded on the monitoring well installation log, no further subsurface investigation is warranted related to former UST#2.

## A. Site Identification

Site identification information is included on page 1 of the Illinois Environmental Protection Agency (IEPA) Site Investigation Completion Report (SICR) Form (**Appendix A**).

## B. Site Information

### Site Description

The main line that runs generally north-south through Wedron, Illinois and the right-of-way (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 is the subject of additional IEPA and U.S. Environmental Protection Agency (USEPA) investigations, is located across County Highway 21 to the west. The subsurface investigation of the Illinois Railway property completed under the Administrative Order on



Consent (AOC) with the USEPA focused on an area of the ROW approximately 140 feet by 1,000 feet. See **Figure 1**.

CDM Smith Inc. (CDM Smith) has prepared this SICR for Illinois Emergency Management Agency (IEMA) incident No. 20130463 located at County Highway 21 and Walnut Street in Wedron, Illinois (the Site). The Site as referenced in this SICR includes an area surrounding UST #2 that is a subset of the overall investigation. This area includes the borings located within 50 feet to the east, south and west of UST #2 as well as the piping and UST #3 to the north. The Site area is within the blue rectangle shown on **Figure 1**.

This report details the site investigation activities performed from 2012 to the present and presents the results and conclusions of the sampling investigation and corrective actions completed within the Site. It replaces a previous SICR that was submitted in 2015.

**1. Will the owner or operator seek payment from the Underground Storage Tank Fund?**

At this time, the owner/operator does not plan on seeking reimbursement.

**2. Has a Site Investigation Plan been approved?**

A Work Plan dated September 19, 2013 was submitted to the USEPA and IEPA and included as part of the AOC approved on September 26, 2013. A subsequent work plan dated February 11, 2016, which covered the collection of additional site information requested by IEPA, was approved by the IEPA on June 17, 2016.

## **C. Site Investigation Results**

### **1. Site history with respect to the release**

The Investigation for the Illinois Railway Property right-of-way (ROW) located in Wedron, Illinois was performed pursuant to an AOC with the USEPA (USEPA 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. The area surrounding UST #2 was included in the overall investigation and the history and investigation completed for this area is summarized in the following paragraphs.

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. A review of Sanborn Fire Insurance Maps indicates grain elevators and scale houses dating back to 1891. By 1913, there was an oil house in the vicinity of UST #2. The 1925 and 1947 Sanborn Maps show the same structure as a gasoline house. The 1967 Sanborn map no longer shows the structure. A 1988 lease agreement between BNSF and the LaSalle County Farm Supply Company includes a map that indicates the structure was no longer present and the area was replaced with a driveway.

Erosion of the railroad embankment in April 2013 uncovered an abandoned UST at the Site. The 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 Office of the State Fire Marshall (OSFM) determined that there was a release



from the UST. Subsequently, the Site was issued LUST incident No. 20130463. The early remedial actions associated with the Site consisted of the removal of approximately 200 gallons of liquid from the tank system, the excavation and off-site disposal of the 500-gallon tank, the removal and off-site disposal of approximately 30 cubic yards of petroleum-impacted soils, the collection of five (5) confirmation soil samples from both the excavation floor and sidewalls, and backfilling of the excavation with clean fill material.

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 soil remediation objectives (SROs) for the soil component of groundwater ingestion exposure route for benzene (0.89 ppm) and ethylbenzene (17.0 ppm). Naphthalene (2.0 ppm) exceeded the construction worker Inhalation SRO. Observations of the UST removal and soil excavation did not indicate free product or gross contamination of the soil.

Schrack Environmental Consulting, Inc. (SECI) submitted a 45-day report for LUST Incident 20130463 to the IEPA on June 13, 2013, the confirmatory results which are provided within **Appendix B**.

The IEPA acknowledged receipt of the 45-day report in a letter to Illinois Railway dated July 8, 2013 (**Appendix B**). The letter stated that the release was not subject to mandatory corrective action under the Leaking UST Program since the UST had been taken out of operation prior to January 2, 1974.

### Site Investigations

Several subsurface investigations have been conducted along the Illinois Railway right-of-way that included investigations within the boundary of the Site. The following paragraphs summarize the results of subsurface investigations that occurred within the area of the Site as shown on **Figure 2**.

GZA GeoEnvironmental, Inc. (GZA) completed a Shallow Subsurface Investigation for Fairmount Minerals in April 2012 along the west side of the existing Technisand rail siding load. This area was part of a new railroad siding construction project. Twenty (20) borings (GP-1 through GP-20) were completed to six (6) feet bgs along an 850-foot portion in the area for the proposed railroad sidings to identify potential residual contaminants from historic operations. Of the 20 borings completed by GZA, six (6) were installed within the Site (GP-3 through GP-8). Analyses included benzene, toluene, ethylbenzene, and total xylenes (BTEX). Soil staining and/or petroleum odors were not observed. Benzene was detected in GP-3 (**Figure 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 (see **Table 1**).

Weston Solutions, Inc. (Weston) conducted soil borings and sampling for the IEPA in July 2012. One (1) boring (WGS-GP-05) was installed within the Site (**Figure 3**). Analyses of the soils for BTEX indicated benzene, ethylbenzene, and xylenes above the TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater (see **Table 1**).

In response, and in light of concerns regarding area groundwater contamination, CDM Smith performed a subsurface environmental site evaluation on behalf of Illinois Railway and produced



a Voluntary Environmental Site Assessment Report dated October 2012. The 2012 Voluntary ESA also focused on the area surrounding GZA boring GP-3 (just south of UST #2) which had elevated BTEX concentrations. Eleven (11) borings were advanced to 20 feet bgs in the WS Area (area around GP-3). Five of these 11 WS borings were installed within the Site area (WS-2, WS-3, WS-4, WS-5, and WS-8). Samples collected within the WS Area were submitted for analysis of BTEX and PNAs. The analytical results for the WS borings (**Table 2**) within the Site indicated the following:

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion or inhalation SROs for BTEX or PNAs.
- Ethylbenzene (WS-2) and xylenes (WS-2 and WS-8) were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO.
- 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 were identified at WS-8; however, three (3) samples had detection limits for benzene greater than the migration to groundwater SROs because of high concentrations of other target and non-target compounds. Ethylbenzene and xylenes migration to groundwater exceedances were identified at WS-2.

CDM Smith also conducted a limited groundwater investigation for Illinois Railway 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 (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).

CDM Smith completed additional investigations under the AOC in 2013-14 and 2015. Eleven (11) borings were advanced in December 2013. Six (6) of these 11 borings were installed within the Site area (GP-06, GP-07, GP-08, Gp-11, GP-13, and GP-14). Four (4) borings with monitoring wells were completed in March 2014. Two (2) of these wells were installed within the Site area (MW-13 and MW-14). An additional six (6) borings were completed south of the UST #2 area in March 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. The analytical results are included in **Tables 4-7**

- There were no exceedances of the TACO Tier 1 industrial/commercial ingestion SROs for VOCs, SVOCs, or lead.
- Ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO at two (2) soil boring locations. SRO exceedances within the UST #2 area are shown on **Figure 3**. The 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. SRO exceedances within the UST #2 area are shown on **Figure 3**. Exceedances of the migration to groundwater pathway for ethylbenzene were identified at two (2) soil boring locations (maximum 160 mg/kg). A toluene migration to groundwater exceedance was identified at one (1) soil boring location (39 mg/kg). Xylenes migration to groundwater exceedances were identified at two (2) soil boring locations (maximum 940 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 three (3) soil boring locations (maximum 20 mg/kg). In addition, five (5) samples had detection limits for benzene greater than the migration to groundwater SROs.

CDM Smith also conducted a limited groundwater investigation on the Illinois Railway right-of-way in 2014. 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. Two of the four wells, MW-13 and MW-14, are located within the Site area.

- Bis(2-ethylhexyl)phthalate and lead were observed at concentrations greater than TACO's Class I groundwater remediation objectives (GROs). Bis(2-ethylhexyl)phthalate GRO exceedances were identified in one (1) monitoring well. Lead GRO exceedances were identified in two (2) monitoring wells. **Figure 5** illustrates the Class I groundwater assessment results within the UST #2 area.

## 2. Site description

### a. Area surrounding the site

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.**

The IR rail line runs parallel to and east of County Highway 21. The ROW begins at the edge of the highway and at the same grade. Approximately 20 feet to the east, there is an embankment and the grade drops 7-8 feet to the railroad tracks. UST#2 was located within the right of way and adjacent to the upper level of the embankment. The erosion of the embankment exposed the UST in 2013.

### b. Local geology, hydrogeology, and hydrology

The state geology map entitled "Potential for Contamination of Shallow Aquifers by Land Burial of Municipal Wastes (by Richard C. Berg, Circular 532 - Plate 2) was reviewed. According to the Berg map, the Site is located in the "AX" geologic zone, consisting of alluvial deposits of various thickness. These deposits (a mixture of fine and coarse grained materials) are highly variable and



can be included with the "A2" designation which is mostly comprised of unconsolidated sands and gravels at or near the ground surface.

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 the first encountered or perched water was approximately 9 feet from the highway grade above the embankment. The UST #2 Area, as shown on Figure 2, serves as the drainage area for the adjacent roadways, which has caused considerable erosion to the embankment. Depth to groundwater observed within the soil borings ranged from approximately 12 to 27 feet bgs due to the difference in surface elevation between the grade of the highway and the rail lines.

**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 | Depth to water (ft) June 29, 2016 | Groundwater elevation (ft) June 29, 2016 |
|---------------|-------------------------|-----------------------------------|--|------------------------------------|---|-----------------------------------|--|
| GROUNDWATER   |                         |                                   |  |                                    |   |                                   |  |
| MW-12         | 521.30                  | 17.34                             | 503.96                                   | 17.65                              | 503.65                                    | 17.09                             | 504.21                                   |
| MW-13         | 529.25                  | 27.41                             | 501.84                                   | 27.84                              | 501.41                                    | 26.45                             | 502.80                                   |
| MW-14         | 529.18                  | 23.185                            | 505.995                                  | 25.78                              | 503.40                                    | 18.48                             | 510.70                                   |
| MW-15         | 521.31                  | 13.82                             | 507.49                                   | 13.85                              | 507.46                                    | 12.25                             | 509.06                                   |
| MW-22         | 528.76                  | NA                                | NA                                       | NA                                 | NA  | 16.52                             | 512.24                                   |
| PERCHED WATER |                         |                                   |  |                                    |   |                                   |  |
| MW-23         | 528.84                  | NA                                | NA                                       | NA                                 | NA  | 8.59                              | 520.25                                   |

Notes: Monitoring wells MW-14 and MW-15 are installed outside of the Site area.  
Monitoring wells MW-22 and MW-23 were installed in June 2016.

According to the IEPA, groundwater flow would be towards the west to northwest in the direction of Gravel Pit #3. Significant pumping of the pit is attributed to the groundwater flow direction. Under natural, static conditions, groundwater is expected to flow to the east toward the Fox River.

### c. Local geography and topography

The geography of the Wedron area has been influenced by the local creeks and rivers, specifically Indian Creek to the north, Buck Creek to the South, and the Fox River to the west. The topography generally ranges from 500 feet msl at the Fox River to 600 feet just northwest of town. Elevation with the subject property ranges from 521 feet msl along the railroad tracks to 529 feet msl at the top of the embankment/tree line as shown on Figure 2 within the blue-boxed area referred to as "UST #2 Area".

### d. Existing and potential migration pathways and exposure routes

There are no subsurface utilities/sewers present on this Site. Storm water drains via sheet flow off of the adjacent County Highway 21 and down the embankment.

Confirmatory samples indicated the west wall of UST #2 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) and xylenes (100.0 ppm) exceeded the construction worker Inhalation SRO.

The bottom of UST #2 was located at approximately 7 feet bgs where the bottom confirmatory sample was collected. This sample did not have any detections for BTEX or PNAs. The groundwater depth in the nearest monitoring well, MW-22, was measured at 16.52 feet bgs on June 2016, 9.5 feet below the bottom of the excavation. Perched water was encountered at 8.59 feet bgs, within MW-23, just below the former bottom of UST #2.

#### **e. Current and project post-remediation land use**

The Site is currently used for industrial/commercial applications. Specifically, the Site is a railroad ROW. Illinois Railway intends to continue to use the entire site for industrial/commercial purposes in the future.

### **3. Site investigation results**

#### **a. Map(s) showing locations of all borings and groundwater monitoring wells completed as part of site investigation and the groundwater flow direction**

The locations of all borings and groundwater monitoring wells completed within the subject property are included in **Figure 2**.

#### **b. Map(s) showing the horizontal extent of soil and groundwater contamination exceeding the most stringent Tier 1 remediation objectives (ROs)**

The horizontal extent of soil contamination exceeding the TACO ROs in the vicinity of UST #2 is included in **Figure 3**. Groundwater was not encountered during the removal of UST #2 and groundwater samples were not collected in this area.

#### **c. Map cross section(s) showing the horizontal and vertical extents of soil and groundwater contamination exceeding the most stringent Tier 1 ROs**

CDM Smith compiled a cross section (Southwest to Northeast (A-A')) to show corresponding geology along with the corresponding analytical results (see **Figure 4**). 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 concentrations based on available data points that were surveyed relative to the msl.

#### **d. Soil boring logs and monitoring well construction diagrams for all borings drilled and groundwater monitoring wells installed as part of site investigation**

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 C**.

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. The monitoring well construction diagrams are included in **Appendix C**.



**e. Analytical results, chain of custody forms, and laboratory certifications**

Samples in the vicinity of UST #2 were collected under multiple investigations. The soil samples were logged, properly labeled, placed in iced coolers and delivered to the laboratory 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. Samples were analyzed for various VOCs, SVOCs, and metals, depending on the investigation. The laboratory analytical reports with chain-of custody forms and laboratory certifications for samples collected by CDM Smith are provided in **Appendix D**.

**f. Table comparing analytical results to the most stringent Tier 1 ROs (include sample depth, date collected, and detection limits)**

A summary of soil analytical results for the samples in the vicinity of UST #2 compared to the Tier 1 SROs are provided in **Tables 1-7**. A summary of groundwater analytical results for the samples in the vicinity of UST #2 compared to the Tier 1 SROs are provided in **Table 8**. The samples within the vicinity of UST #2 have been highlighted. Confirmatory sample results from the UST #2 excavation are included in the 45-day report included as part of Appendix B.

**g. Potable water supply well survey**

Potable water within the limits of the Village of Wedron is obtained from private wells. Currently there are no existing Village ordinances that prohibit the use, repair or installation of private and/or public water wells. As part of the 45-day report completed for LUST Incident 20130463 and in order to satisfy the requirements of 35 IAC 734.445: Water Supply Well Survey, Schrack Environmental Consulting, Inc. (SECI) conducted a survey of the water supply wells for the purpose of identifying and locating all private wells within 200 feet of all community wells within 2,500 feet of the LUST system. A summary is provided below.

The potable water search was conducted utilizing either a street location (North 3462nd Road and East 3462nd Road, Wedron, Illinois) or a plot location (State of Illinois, County of LaSalle, Village of Wedron, Township 34 North, Range 03 East of the Third Principal Meridian, Section 09) as described on the Plat of Survey completed by Vegrzyn, Sarver and Associates, Inc.

***Illinois State Geologic Survey (ISGS)***

Potable water well records from the ISGS are available on the Internet through the Illinois Environmental Protection Agency - Groundwater Source Water Assessment (IEPA-GSWA) database. SECI accessed this website in order to determine if any potable water wells are located within the above referenced search radius of the Site.

Based on the information obtained through the IEPA-GSWA, zero (0) private potable wells are located within 200 feet of the Site and zero (0) community potable wells are located within 2,500 feet of the Site. A total of eight (8) residential wells, four (4) industrial wells (Wedron Silica Company) and one (1) commercial well (Wedron Methodist Church) are located within a 2,000 foot radius of the Site. However as previously stated, these wells are not located with 200 feet of the former tank system. In addition, the former LUST system is not located within the minimum/maximum setback zone of any potable well.



***Illinois State Water Survey (ISWS)***

Potable water well records from the ISWS are available on the Internet through the Illinois Environmental Protection Agency - Groundwater Source Water Assessment (IEPA-GSWA) database. SECI accessed this website in order to determine if any potable water wells are located within the above referenced search radius of the Site.

Based on the information obtained through the IEPA-GSWA, zero (0) private potable wells are located within 200 feet of the Site and zero (0) community potable wells are located within 2,500 feet of the Site. A total of eight (8) residential wells, four (4) industrial wells (Wedron Silica Company) and one (1) commercial well (Wedron Methodist Church) are located within a 2,000 foot radius of the Site. However as previously stated, these wells are not located with 200 feet of the former tank system. In addition, the former LUST system is not located within the minimum/maximum setback zone of any potable well.

***Illinois Environmental Protection Agency (IEPA) – Division of Public Water Supply (DPWS)***

SECI contacted the IEPA-DPWS by telephone regarding the use of potable wells within the requested search radius from the Site. The IEPA-DPWS currently maintains and utilizes the IEPA - Groundwater Source Water Assessment database referenced above. Based on the information provided in the IEPA-GSWA, zero (0) potable wells are located within the search radius.

***LaSalle County - Health Department***

SECI contacted the LaSalle County Health Department regarding the use of potable wells within the requested search radius from the Site and spoke with Mr. Ted Pumo, Director of Environmental Health for LaSalle County, Illinois. Based on the information provided by Mr. Pumo, the entire Village of Wedron obtains potable water from individual wells. The Village of Wedron does not have a community well and does not provide any potable water for the residents.

Based on the information obtained during the potable water search, the former LUST system is not located within the minimum or designated maximum setback zone of a potable well or located within a regulated recharge area of a potable water supply well.

**4. Conclusion that includes an assessment of the sufficiency of the data**

Based on review of historical documentation regarding the Site, the size of the tank, site observations, and the confirmatory samples collected during the UST #2 removal, the release from UST #2 appears to be limited to shallow soils near the original excavation. The 500-gallon UST appears to have been taken out of service by 1967. There was minimal visible contamination observed during removal of the tank and the confirmatory samples collected from the base of the excavation (B-01) indicated no detections of BTEX. Only the west sidewall sample (WW-05) indicated Tier I SRO exceedances for benzene, ethylbenzene, and naphthalene. Additional samples collected just west of the excavation did not indicate further impacts at this depth.

The depth to groundwater in the immediate vicinity of historical UST #2, as measured in MW-22, was 16.5 feet bgs, or 9.5 feet below the bottom of the excavation. The earliest groundwater samples (MW-13 and MW-14) collected in the vicinity of UST #2 did not have BTEX exceedances. Additional samples were collected from MW-22 (groundwater) and MW-23 (perched water)



immediately west of the UST excavation. A sample collected from the perched water zone screened by MW-23 did not have any BTEX or other hydrocarbon detections. The groundwater sample collected from the deeper monitoring well (MW-22) which extends to the capillary fringe exceeded the Class I GROs, but was below the Class II groundwater ROs for benzene. The most recent samples collected indicated exceedances of the migration to groundwater ROs for benzene in shallow soil (2-3' bgs) and at the capillary fringe (22-23' bgs). The release from UST #2 does not appear to be connected to this contamination in the capillary fringe because no benzene or other hydrocarbons were detected in groundwater collected from MW-23, which is screened at an interval between these two exceedances and just below the bottom of the former UST.

With the removal of the historical UST#2 that was taken out of service prior to 1967, with confirmed non-detectable concentrations of petroleum hydrocarbons directly under the former UST and immediately downgradient, with no observed soil impacts recorded on the monitoring well installation log, no further subsurface investigation is warranted related to former UST#2.

The Site will continue to be used for industrial railroad transportation services, and restrictions to retain the industrial use of the property can be recorded in a deed restriction if required.

### Analytical Soil Results

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 for the samples in the vicinity of UST #2 compared to the Tier 1 SROs are provided in **Tables 1-7**. SRO exceedances are shown on **Figure 3**.

- Xylenes were detected at concentrations greater than the TACO Tier 1 industrial/commercial inhalation SROs at one (1) soil boring location. The SRO exceedance is below ten (10) feet bgs.
- Benzene, ethylbenzene, xylenes, and naphthalene were detected at concentrations greater than the TACO construction worker inhalation exposure route SRO.
- Benzene, ethylbenzene, toluene, xylenes, naphthalene, and 2-methylnaphthalene were detected at concentrations greater than TACO Tier 1 soil component of groundwater ingestion exposure route for Class I groundwater.
- Samples that 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 are noted on the figure.

Only one confirmatory sample collected from the UST excavation exceeded the SROs, WW-05 taken from the west wall of the UST excavation. Two additional soil borings, SB-22 and SB-23, were drilled approximately 3 feet west of the former UST#2 excavation. The soil analytical results indicated shallow benzene concentrations at 2-3 feet bgs. However soil analysis reported no hydrocarbon concentrations from 3 feet to 18 feet bgs. Hydrocarbon concentrations were reported in deeper soil samples collected at the capillary fringe from 22-23 feet bgs.

### Analytical Groundwater Results

Two (2) groundwater monitoring wells, MW-14 (GP-14) and MW-22 (SB-22) are, located in the immediate vicinity of the former UST #2 excavation area (see Figure 5) and screened at elevations corresponding to area groundwater encountered at 510 to 512 feet msl. The screen interval in Monitoring well MW-23, located just west of the UST#2 excavation area, is placed where shallow perched water was encountered at 520.25 feet msl (see Table 3 and Boring log SB-22/MW-22 in Appendix C). The UST#2 excavation area is located where storm runoff crosses the highway from the west and erodes the soil and gravel east of the highway as it flows down (eastward) to the Illinois Railway tracks. Storm water runoff is presumed to infiltrate surface soil in this area and form a temporal perched water zone.

Monitoring wells MW-12, MW-13, and MW-15 are located approximately 150 feet to 350 feet away from the UST#2 excavation area.

Results were compared to Class I groundwater remediation objectives (GROs) from IEPA TACO Tier 1 guidelines (35 IAC 742). The April 2014 groundwater results identified bis(2-ethylhexyl)phthalate within MW-14 and lead within MW-13 and MW-14 at concentrations greater than Class I GROs. Groundwater samples were collected from MW-22 and MW-23 during June 2016. The groundwater results indicate no GRO exceedances in MW-23 which screened the perched water zone from 7-12 feet bgs, situated just below UST #2. Only benzene (0.023 mg/L) exceeded the Class I GROs within the deeper well (MW-22) screened from 13.5 to 23.5 feet bgs. **Figure 5** illustrates the Class I groundwater assessment results. A summary of the analytical results is provided in **Table 8**. The complete laboratory reports are provided in **Appendix D**.

### Analytical Data

CDM Smith prepared a Field Sampling Quality Assurance Project Plan (QAPP-CDM Smith 2013) approved by the USEPA prior to initiating fieldwork under the AOC. The 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.

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

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

### 5. Site map(s) meeting the requirements of 35 Ill. Adm. Code 734.440

A site map is included as **Figure 1**.

### 6. Budget forms of actual costs (documenting actual work performed during the previous stage)

This portion is not applicable as the owner is not seeking reimbursement.



## D. Signatures

The owner's and consultant's full names, contact information, and signatures are included on page 2 of the IEPA SICR form (**Appendix A**).

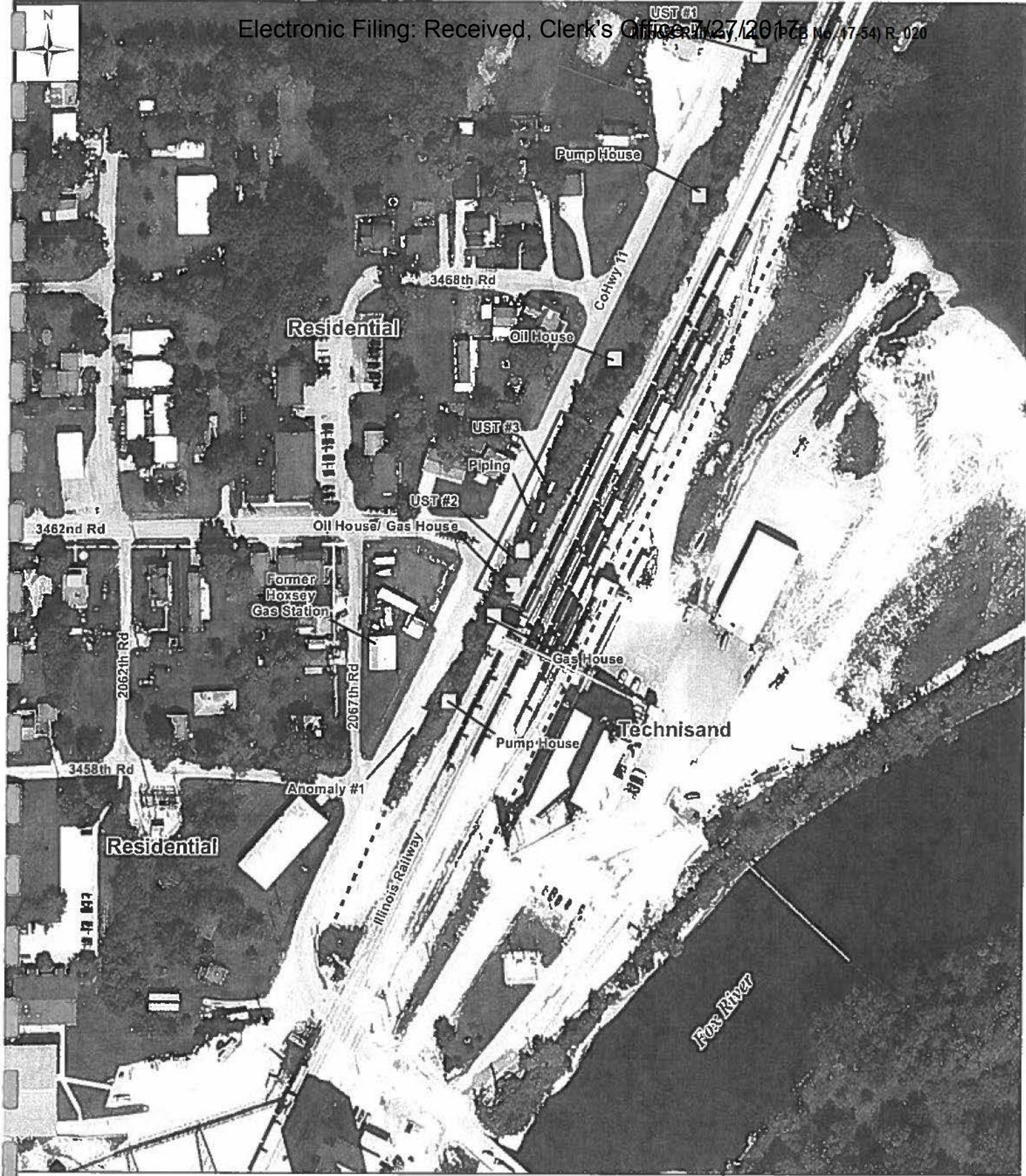
A Licensed Professional Geologist Certification is included on page 2 of the IEPA SICR form (**Appendix A**).

Figures

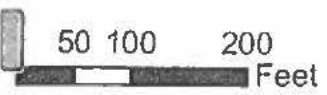
# Figures

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**CDM  
Smith**

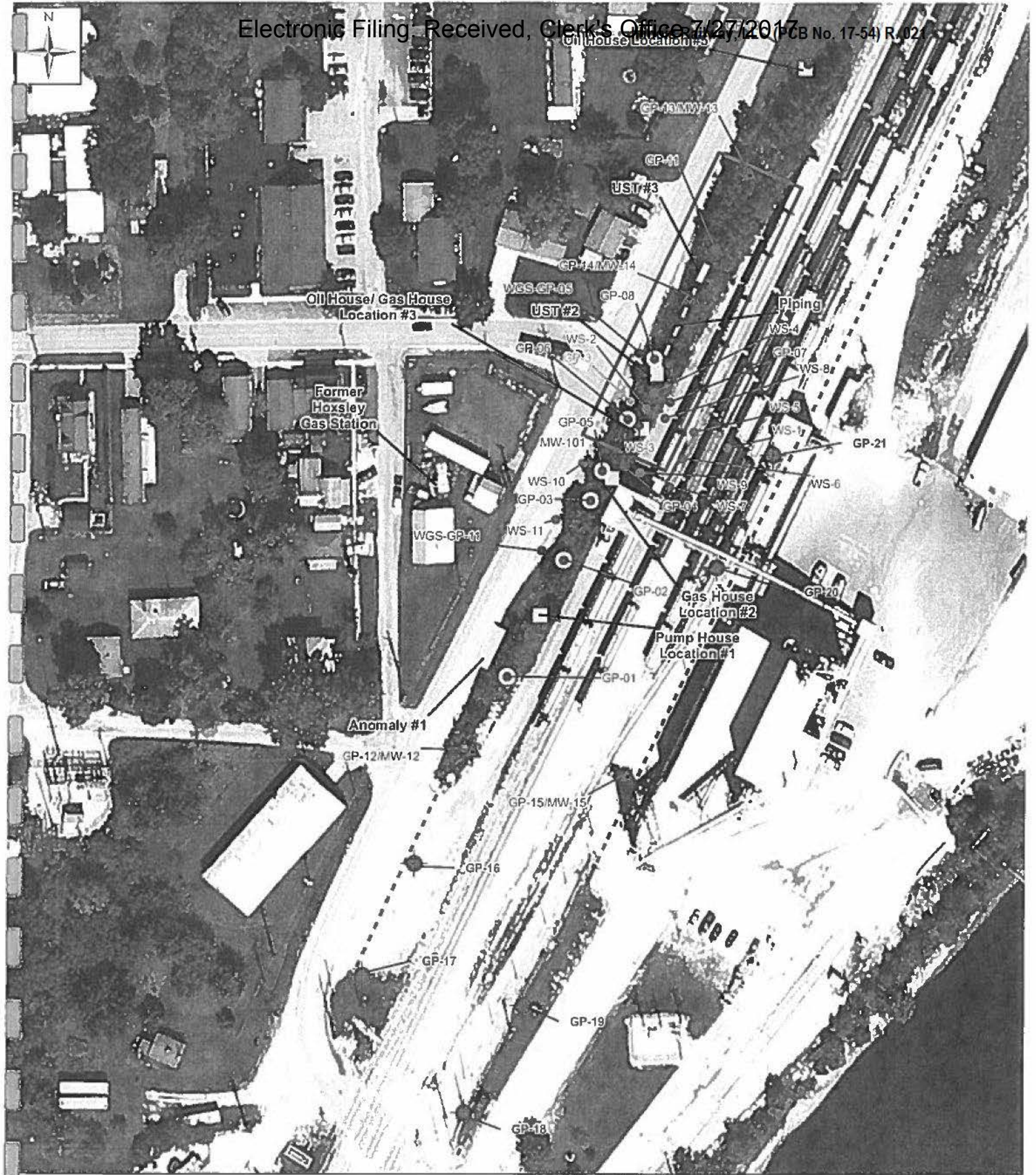


- Property Boundary
- Approximate Property Boundary
- Historical Structures
- UST #2 Area

Figure 1  
Site Map

Illinois Railway Easements  
Wedron, IL





**CDM  
Smith**

25 50 100  
Feet

- GZA Boring 2012 (GP-03)
- 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
- UST #2 Area

**Figure 2**  
 Sample Location Map  
 Illinois Railway Property  
 Wedron, IL

Tables



# Tables

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

| Analytical Results for Soil Samples | Exposure Routes for Specific SROs |            |         |          |              |            | WEDRON          |                | GZA                   |                  |
|-------------------------------------|-----------------------------------|------------|---------|----------|--------------|------------|-----------------|----------------|-----------------------|------------------|
|                                     | Industrial/Commercial             |            |         |          | Construction |            | WGS-GP05 (2.5') | WGS-GP05 (11') | GP-3 (3'-4') AccuTest | GP-3 (3'-4') EMT |
|                                     | Ingestion                         | Inhalation | Class I | Class II | Ingestion    | Inhalation |                 |                |                       |                  |
| Analyte                             | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg        | mg/Kg      | 07/25/12        | 07/25/12       | 04/26/12              | 04/26/12         |
| 1,1,1-Trichloroethane               | NRO                               | 1200       | 2       | 9.6      | NRO          | 1200       | <0.55           | <0.0045        | <5.1                  | <5.1             |
| 2-Hexanone                          | NRO                               | NRO        | NRO     | NRO      | NRO          | NRO        | <21             | <44            | NT                    | NT               |
| Acetone                             | NRO                               | 100000     | 25      | 25       | NRO          | 100000     | <42             | <88            | NT                    | NT               |
| Benzene                             | 100                               | 1.6        | 0.03    | 0.17     | 2300         | 2.2        | <b>0.770 J</b>  | <88            | <b>1.140</b>          | <b>0.233</b>     |
| Carbon disulfide                    | 200000                            | 720        | 32      | 160      | 20000        | 9          | <4.2            | <8.8           | NT                    | NT               |
| Chloroform                          | 940                               | 0.54       | 0.6     | 2.9      | 2000         | 0.76       | <4.2            | <8.8           | NT                    | NT               |
| Ethylbenzene                        | 200000                            | 400        | 13      | 19       | 20000        | 58         | <b>30</b>       | <8.8           | 1.14                  | 428              |
| Toluene                             | 410000                            | 650        | 12      | 29       | 410000       | 42         | 5.1             | <8.8           | 4.7                   | 1.5              |
| Xylenes, Total                      | 410000                            | 320        | 150     | 150      | 41000        | 5.6        | <b>280</b>      | <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)

| Analyte                | Industrial/Commercial Route Specific Values for Soil |            | Construction Worker Route Specific Values for Soil |            | Soil Component of Groundwater Ingestion Exposure |          | 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-8-1 (3.5') | WS-8-2 (10.5') | WS-8-3 (19.0') |
|------------------------|--|------------|--|------------|--|----------|-----------------|----------------|-----------------|----------------|----------------|---------------|----------------|----------------|
|                        | Ingestion  | Inhalation | Ingestion  | Inhalation | Class I  | Class II | 8/23/2012       | 8/23/2012      | 8/23/2012       | 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     | < 0.1           | 0.0023         | 0.0047          | < 0.099        | 0.001          | 0.0006        | < 0.11         | <b>0.058</b>   |
| Toluene                | 410,000  | 650        | 410,000  | 42         | 12   | 29       | 0.25            | 0.0051         | 0.015           | 0.067          | 0.0013         | 0.00092       | < 0.27         | 0.34           |
| Ethylbenzene           | 200,000  | 400        | 20,000   | 58         | 13   | 19       | <b>75</b>       | 0.002          | 0.37            | < 0.25         | 0.00048        | < 0.005       | 0.072          | 0.85           |
| Xylenes, Total         | 410,000  | 320        | 41,000   | 5.6        | 150  | 150      | <b>230</b>      | 0.0045         | 0.66            | 0.064          | 0.0012         | 0.00069       | 0.033          | 21             |
| Acenaphthene           | 120,000  | ---        | 120,000  | ---        | 570  | 2,900    | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Acenaphthylene         | 610,000  | ---        | 610,000  | ---        | 85   | 420      | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Anthracene             | 610,000  | ---        | 610,000  | ---        | 12,000   | 59,000   | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Benz(a)anthracene      | 8  | ---        | 170  | ---        | 2  | 8        | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Benzo(a)pyrene         | 0.8  | ---        | 17   | ---        | 8  | 82       | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Benzo(b)fluoranthene   | 8  | ---        | 170  | ---        | 5  | 25       | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Benzo(g,h,i)perylene   | 610,000  | ---        | 610,000  | ---        | 27000  | 130000   | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Benzo(k)fluoranthene   | 78   | ---        | 1,700  | ---        | 49   | 250      | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Chrysene               | 780  | ---        | 17,000   | ---        | 160  | 800      | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Dibenz(a,h)anthracene  | 0.8  | ---        | 17   | ---        | 2  | 7.6      | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Fluoranthene           | 82,000   | ---        | 82,000   | ---        | 4,300  | 21,000   | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Fluorene               | 82,000   | ---        | 82,000   | ---        | 560  | 2,800    | 0.022           | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Indeno(1,2,3-cd)pyrene | 8  | ---        | 170  | ---        | 14   | 69       | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Naphthalene            | 41,000   | 270        | 4,100  | 1.8        | 12   | 18       | 1.4             | < 0.035        | 0.6             | < 0.035        | < 0.038        | < 0.036       | 0.48           | 0.75           |
| Phenanthrene           | 610,000  | ---        | 610,000  | ---        | 200  | 1000     | 0.049           | < 0.035        | 0.022           | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |
| Pyrene                 | 61,000   | ---        | 61,000   | ---        | 4,200  | 21,000   | < 0.039         | < 0.035        | < 0.043         | < 0.035        | < 0.038        | < 0.036       | < 0.041        | < 0.041        |

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 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 |            | GP-06A<br>(8-10') | GP-06B<br>(18-20') | GP-06B<br>(18-20')D | GP-07A<br>(4-6') | GP-07B<br>(8-10') | GP-07B<br>(8-10')D | GP-08A<br>(8-10') | GP-08B<br>(13-15') |
|                                     | Ingestion                         | Inhalation | Class I | Class II | Ingestion           | Inhalation |                   |                    |                     |                  |                   |                    |                   |                    |
| Analyte                             | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg               | mg/Kg      | 12/19/13          | 12/19/13           | 12/19/13            | 12/20/13         | 12/20/13          | 12/19/13           | 12/19/13          | 12/19/13           |
| Lead                                | 800                               | NRO        | 20.9    | 20.9     | 700                 | NRO        | 2.6 J-            | 4.0 J-             | 4.7 J-              | 10 J-            | 11 J-             | 8.5 J-             | 2.5 J-            | 5.8 J-             |

| Analytical Results for Soil Samples | Exposure Routes for Specific SROs |            |         |          |                     |            |                    |                     |                   |                    |                    |                   |                    |
|-------------------------------------|-----------------------------------|------------|---------|----------|---------------------|------------|--------------------|---------------------|-------------------|--------------------|--------------------|-------------------|--------------------|
|                                     | Industrial/Commercial             |            |         |          | Construction Worker |            | GP-11B<br>(17-19') | GP-11B<br>(17-19')D | GP-13A<br>(8-10') | GP-13A<br>(8-10')D | GP-13B<br>(10-12') | GP-14A<br>(8-10') | GP-14B<br>(16-18') |
|                                     | 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            | 3/27/14           | 3/27/14            | 3/27/14            | 3/27/14           | 3/27/14            |
| Lead                                | 800                               | NRO        | 20.9    | 20.9     | 700                 | NRO        | 4.0 J-             | 7.6 J-              | 4.1               | 10                 | 4.3                | 2.9               | 4.1                |

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.

| Analytical Results for Soil Samples |               |               |
|-------------------------------------|---------------|---------------|
| Analyte                             | B-23 (11-12') | B-23 (14-15') |
|                                     | 6/27/16       | 6/27/16       |
| <b>BETX</b>                         |               |               |
| Benzene                             | <0.30         | <0.27         |
| Ethylbenzene                        | <0.30         | <0.27         |
| Toluene                             | <0.30         | <0.27         |
| Xylenes, Total                      | <0.59         | 3.4           |
| <b>PNAs</b>                         |               |               |
| Acenaphthene                        | <0.041        | <0.041        |
| Acenaphthylene                      | <0.041        | <0.041        |
| Anthracene                          | <0.041        | <0.041        |
| Benzo[a]anthracene                  | <0.041        | <0.041        |
| Benzo[a]pyrene                      | <0.041        | <0.041        |
| Benzo[b]fluoranthene                | <0.041        | <0.041        |
| Benzo[g,h,i]perylene                | <0.041        | <0.041        |
| Benzo[k]fluoranthene                | <0.041        | <0.041        |
| Chrysene                            | <0.041        | <0.041        |
| Dibenz(a,h)anthracene               | <0.041        | <0.041        |
| Fluoranthene                        | <0.041        | <0.041        |
| Fluorene                            | 0.0093        | <0.041        |
| Indeno[1,2,3-cd]pyrene              | <0.041        | <0.041        |
| Naphthalene                         | <0.041        | 0.24          |
| Phenanthrene                        | 0.018         | <0.041        |
| Pyrene                              | <0.041        | <0.041        |

Exposure Routes for Soil Rem  
 All results are mg/Kg and dry v  
 NRO = (No Remediation Object  
 Class I and Class II SROs are of Counties outside  
 metropolitan areas.

Appendix A Table C (per  
 Non TACO analytes are italiciz  
 Total xylenes is a calculated re  
 Results that are Underlined in  
 Results that are Box outlined in  
 Results that are BOLD font in  
 Results that are Shaded gray in  
 Non-detect results (indicated t



Table 8  
Illinois Railway Property, Wedron IL  
Groundwater Analytical Results Summary

| Analyte                      | GROs    |          | MW-13<br>4/9/14 | MW-14<br>4/9/14 | MW-14D<br>4/9/14 | MW-15<br>4/9/14 | MW-22<br>6/29/16 | MW-23<br>6/29/16 |
|------------------------------|---------|----------|-----------------|-----------------|------------------|-----------------|------------------|------------------|
|                              | Class I | Class II |                 |                 |                  |                 |                  |                  |
|                              | mg/L    | mg/L     |                 |                 |                  |                 |                  |                  |
| <b>VOCs</b>                  |         |          |                 |                 |                  |                 |                  |                  |
| 1,1,1-Trichloroethane        | 0.2     | 1        | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,1,2,2-Tetrachloroethane    | 0.42    | 0.42     | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,1,2-Trichloroethane        | 0.005   | 0.05     | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,1-Dichloroethane           | 0.7     | 3.5      | 0.00067         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,1-Dichloroethene           | 0.007   | 0.035    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,2-Dichloroethane           | 0.005   | 0.025    | 0.00085         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,2-Dichloropropane          | 0.005   | 0.025    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 1,3-Dichloropropene, Total   | 0.001   | 0.005    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| 2-Hexanone                   | NRO     | NRO      | <0.0050         | <0.0050         | <0.0050          | <0.010          | NT               | NT               |
| Acetone                      | 6.3     | 6.3      | 0.0077          | 0.041           | 0.034            | <0.010          | NT               | NT               |
| Benzene                      | 0.005   | 0.025    | <0.00050        | 0.0043          | 0.0042           | 0.027           | 0.023            | <0.00050         |
| Bromodichloromethane         | 0.0002  | 0.0002   | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Bromoform                    | 0.001   | 0.001    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Bromomethane                 | 0.0098  | 0.049    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Carbon disulfide             | 0.7     | 3.5      | <0.0050         | 0.0010          | 0.00082          | <0.010          | NT               | NT               |
| Carbon tetrachloride         | 0.005   | 0.025    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Chlorobenzene                | 0.1     | 0.5      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Chloroethane                 | NRO     | NRO      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Chloroform                   | 0.0002  | 0.001    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Chloromethane                | NRO     | NRO      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| cis-1,2-Dichloroethene       | 0.07    | 0.2      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| cis-1,3-Dichloropropene      | NRO     | NRO      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Dibromochloromethane         | 0.14    | 0.14     | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Ethylbenzene                 | 0.7     | 1        | 0.00036         | 0.041           | 0.042            | 2.1             | 0.024            | <0.00050         |
| Methyl Ethyl Ketone          | 4.2     | 4.2      | <0.0050         | 0.025           | 0.017            | <0.010          | NT               | NT               |
| methyl isobutyl ketone       | NRO     | NRO      | <0.0050         | <0.0050         | <0.0050          | <0.010          | NT               | NT               |
| Methyl tert-butyl ether      | 0.07    | 0.07     | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Methylene Chloride           | 0.005   | 0.05     | <0.0050         | <0.0050         | <0.0050          | <0.010          | NT               | NT               |
| Styrene                      | 0.1     | 0.5      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Tetrachloroethene            | 0.005   | 0.025    | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Toluene                      | 1       | 2.5      | <0.00050        | 0.061           | 0.060            | 0.049           | 0.046            | <0.00050         |
| trans-1,2-Dichloroethene     | 0.1     | 0.5      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| trans-1,3-Dichloropropene    | NRO     | NRO      | <0.0010         | <0.0010         | <0.0010          | <0.0020         | NT               | NT               |
| Trichloroethene              | 0.005   | 0.025    | <0.00050        | <0.00050        | <0.00050         | <0.0010         | NT               | NT               |
| Vinyl chloride               | 0.002   | 0.01     | <0.00050        | <0.00050        | <0.00050         | <0.0010         | NT               | NT               |
| Xylenes, Total               | 10      | 10       | 0.0013          | 0.33            | 0.36             | 3.2             | 0.39             | <0.0010          |
| <b>SVOCs</b>                 |         |          |                 |                 |                  |                 |                  |                  |
| 1,2,4-Trichlorobenzene       | 0.07    | 0.7      | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 1,2-Dichlorobenzene          | 0.6     | 1.5      | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 1,3-Dichlorobenzene          | NRO     | NRO      | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 1,4-Dichlorobenzene          | 0.075   | 0.375    | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 2,2'-oxybis[1-chloropropane] | NRO     | NRO      | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 2,4,5-Trichlorophenol        | NRO     | NRO      | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 2,4,6-Trichlorophenol        | NRO     | NRO      | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 2,4-Dichlorophenol           | 0.021   | 0.021    | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 2,4-Dimethylphenol           | 0.14    | 0.14     | <0.0083         | 0.0067          | 0.0075           | 0.0085          | NT               | NT               |
| 2,4-Dinitrophenol            | 0.014   | 0.014    | <0.017          | <0.016          | <0.017           | <0.017          | NT               | NT               |
| 2,4-Dinitrotoluene           | 0.00002 | 0.00002  | <0.00083        | <0.00078        | <0.00083         | <0.00084        | NT               | NT               |
| 2,6-Dinitrotoluene           | 0.00031 | 0.00031  | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 2-Chloronaphthalene          | 0.56    | 2.8      | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 2-Chlorophenol               | NRO     | NRO      | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 2-Methylnaphthalene          | 0.028   | 0.14     | <0.0041         | 0.0050          | 0.0059           | 0.032           | NT               | NT               |
| 2-Methylphenol               | 0.35    | 0.35     | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| 2-Nitroaniline               | 0.021   | 0.021    | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 2-Nitrophenol                | NRO     | NRO      | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 3 & 4 Methylphenol           | 0.035   | 0.035    | <0.0017         | 0.0011          | <0.0017          | <0.0017         | NT               | NT               |
| 3,3'-Dichlorobenzidine       | 0.02    | 0.1      | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 3-Nitroaniline               | 0.0021  | 0.0021   | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| <b>SVOCs Cont'd</b>          |         |          |                 |                 |                  |                 |                  |                  |
| 4,6-Dinitro-2-methylphenol   | 0.0007  | 0.0007   | <0.017          | <0.016          | <0.017           | <0.017          | NT               | NT               |



**Table 8**  
**Illinois Railway Property, Wedron IL**  
**Groundwater Analytical Results Summary**

| Analyte                     | GROs            |                  | MW-13<br>4/9/14 | MW-14<br>4/9/14 | MW-14D<br>4/9/14 | MW-15<br>4/9/14 | MW-22<br>6/29/16 | MW-23<br>6/29/16 |
|-----------------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|------------------|
|                             | Class I<br>mg/L | Class II<br>mg/L |                 |                 |                  |                 |                  |                  |
| 4-Bromophenyl phenyl ether  | NRO             | NRO              | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 4-Chloro-3-methylphenol     | NRO             | NRO              | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 4-Chloroaniline             | 0.028           | 0.028            | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 4-Chlorophenyl phenyl ether | NRO             | NRO              | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| 4-Nitroaniline              | 0.021           | 0.021            | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| 4-Nitrophenol               | NRO             | NRO              | <0.017          | <0.016          | <0.017           | <0.017          | NT               | NT               |
| Acenaphthene                | 0.42            | 2.1              | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| Acanaphthylene              | 0.21            | 1.05             | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| Anthracene                  | 2.1             | 10.5             | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| Benzo[a]anthracene          | 0.00013         | 0.00065          | <0.00013        | <0.00013        | <0.00014         | <0.00014        | <0.00012         | <0.00012         |
| Benzo[a]pyrene              | 0.0002          | 0.002            | <0.00017        | <0.00016        | <0.00017         | <0.00017        | <0.00015         | <0.00015         |
| Benzo[b]fluoranthene        | 0.00018         | 0.0009           | <0.00017        | <0.00016        | <0.00017         | <0.00017        | <0.00015         | <0.00015         |
| Benzo[g,h,i]perylene        | 0.21            | 1.05             | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| Benzo[k]fluoranthene        | 0.00017         | 0.00085          | <0.00017        | <0.00016        | <0.00017         | <0.00017        | <0.00015         | <0.00015         |
| Bis(2-chloroethoxy)methane  | NRO             | NRO              | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Bis(2-chloroethyl)ether     | 0.01            | 0.01             | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Bis(2-ethylhexyl) phthalate | 0.006           | 0.06             | <0.0083         | 0.011           | 0.023            | <0.0084         | NT               | NT               |
| Butyl benzyl phthalate      | 1.4             | 7                | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Carbazole                   | NRO             | NRO              | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| Chrysene                    | 0.0015          | 0.0075           | <0.00041        | <0.00039        | <0.00042         | <0.00042        | <0.00038         | <0.00038         |
| Dibenz(a,h)anthracene       | 0.0003          | 0.0015           | <0.00025        | <0.00023        | <0.00025         | <0.00025        | <0.00023         | <0.00023         |
| Dibenzofuran                | NRO             | NRO              | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Diethyl phthalate           | 5.6             | 5.6              | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Dimethyl phthalate          | NRO             | NRO              | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Di-n-butyl phthalate        | 0.7             | 3.5              | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| Di-n-octyl phthalate        | 0.14            | 0.7              | <0.0083         | <0.0078         | <0.0083          | <0.0084         | NT               | NT               |
| Fluoranthene                | 0.28            | 1.4              | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| Fluorene                    | 0.28            | 1.4              | <0.00083        | <0.00078        | <0.00083         | 0.00041         | <0.00076         | <0.00076         |
| Hexachlorobenzene           | 0.00006         | 0.0003           | <0.00041        | <0.00039        | <0.00042         | <0.00042        | NT               | NT               |
| Hexachlorobutadiene         | 0.007           | 0.035            | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| Hexachlorocyclopentadiene   | 0.05            | 0.5              | <0.017          | <0.016          | <0.017           | <0.017          | NT               | NT               |
| Hexachloroethane            | 0.007           | 0.035            | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| Indeno[1,2,3-cd]pyrene      | 0.00043         | 0.00215          | <0.00017        | <0.00016        | <0.00017         | <0.00017        | <0.00015         | <0.00015         |
| Isophorone                  | 1.4             | 1.4              | <0.0017         | <0.0016         | <0.0017          | <0.0017         | NT               | NT               |
| Naphthalene                 | 0.14            | 0.22             | <0.00083        | 0.016           | 0.018            | 0.15            | 0.011            | <0.00076         |
| Nitrobenzene                | 0.0035          | 0.0035           | <0.00083        | <0.00078        | <0.00083         | <0.00084        | NT               | NT               |
| N-Nitrosodi-n-propylamine   | 0.0018          | 0.0018           | <0.00041        | <0.00039        | <0.00042         | <0.00042        | NT               | NT               |
| N-Nitrosodiphenylamine      | 0.0032          | 0.016            | <0.00083        | <0.00078        | <0.00083         | <0.00084        | NT               | NT               |
| Pentachlorophenol           | 0.001           | 0.005            | <0.017          | <0.016          | <0.017           | <0.017          | NT               | NT               |
| Phenanthrene                | 0.21            | 1.05             | <0.00083        | <0.00078        | <0.00083         | 0.00039         | <0.00076         | <0.00076         |
| Phenol                      | 0.1             | 0.1              | <0.0041         | <0.0039         | <0.0042          | <0.0042         | NT               | NT               |
| Pyrene                      | 0.21            | 1.05             | <0.00083        | <0.00078        | <0.00083         | <0.00084        | <0.00076         | <0.00076         |
| <b>Inorganics</b>           |                 |                  |                 |                 |                  |                 |                  |                  |
| Lead                        | 0.0075          | 0.1              | 0.020           | 0.030           | 0.027            | 0.0026          | NT               | NT               |

Notes:  
 Groundwater Remediation Objectives (GROs) are based on 35 IAC 742 Appendix B, Table E.  
 All results are mg/L unless otherwise requested.  
 NT = Not Tested  
 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.  
 NRO/NRO\*\* indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.  
 Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit Oct 30, 2012.  
 Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag. Please refer to the report.  
 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



# Appendix A

## Site Investigation Completion Report Form



# Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation, orally or in writing, in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/44 and 57.17). This form has been approved by the Forms Management Center.

## Leaking Underground Storage Tank Program Site Investigation Completion Report

### A. Site Identification

IEMA Incident # (6- or 8-digit): 20130463 IEPA LPC # (10-digit): \_\_\_\_\_

Site Name: Wedron Illinois Railway - Railway Right of Way

Site Address (not a P.O. Box): County Highway 21 and Walnut Street

City: Wedron County: LaSalle Zip Code: 60557

### B. Site Information

1. Will the owner or operator seek payment from the Underground Storage?  Yes  No

2. Has a Site Investigation Plan been approved?  Yes  No

Date(s) of approval letter(s): 6/17/16

### C. Site Investigation Results

Provide the following:

1. Site history with respect to the release;
2. Site description:
  - a. Area surrounding the site;
  - b. Local geology, hydrogeology, and hydrology;
  - c. Local geography and topography;
  - d. Existing and potential migration pathways and exposure routes; and
  - e. Current and projected post-remediation land use;
3. Site investigation results:
  - a. Map(s) showing locations of all borings and groundwater monitoring wells completed as part of site investigation and the groundwater flow direction;
  - b. Map(s) showing the horizontal extent of soil and groundwater contamination exceeding the most stringent Tier 1 remediation objectives (ROs);
  - c. Map cross-section(s) showing the horizontal and vertical extents of soil and groundwater contamination exceeding the most stringent Tier 1 ROs;
  - d. Soil boring logs and monitoring well construction diagrams for all borings drilled and groundwater monitoring wells installed as part of site investigation;
  - e. Analytical results, chain of custody forms, and laboratory certifications;
  - f. Table comparing analytical results to the most stringent Tier 1 ROs (include sample depth, date collected, and detection limits); and
  - g. Potable water supply well survey;

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# Appendix B

## Appendix B

### UST Documentation

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April 19, 2013

Shelly Bradley  
IL State Fire Marshal  
Division of Petroleum and Chemical Safety  
1035 Stevenson Drive  
Springfield, IL 62703

Dear Shelly:

Please find the attached notification for UST, for what is believed to be an orphaned tank discovered today in Wedron, IL. To the best of my knowledge, the UST that we are applying for a removal permit was out of service prior to January 1, 1974.

On behalf of the Illinois Railway, we appreciate your consideration of this request.  
Please contact me if you have questions or comments at 303 398-4549.

Sincerely,

A handwritten signature in cursive script that reads "Kenneth Rose".

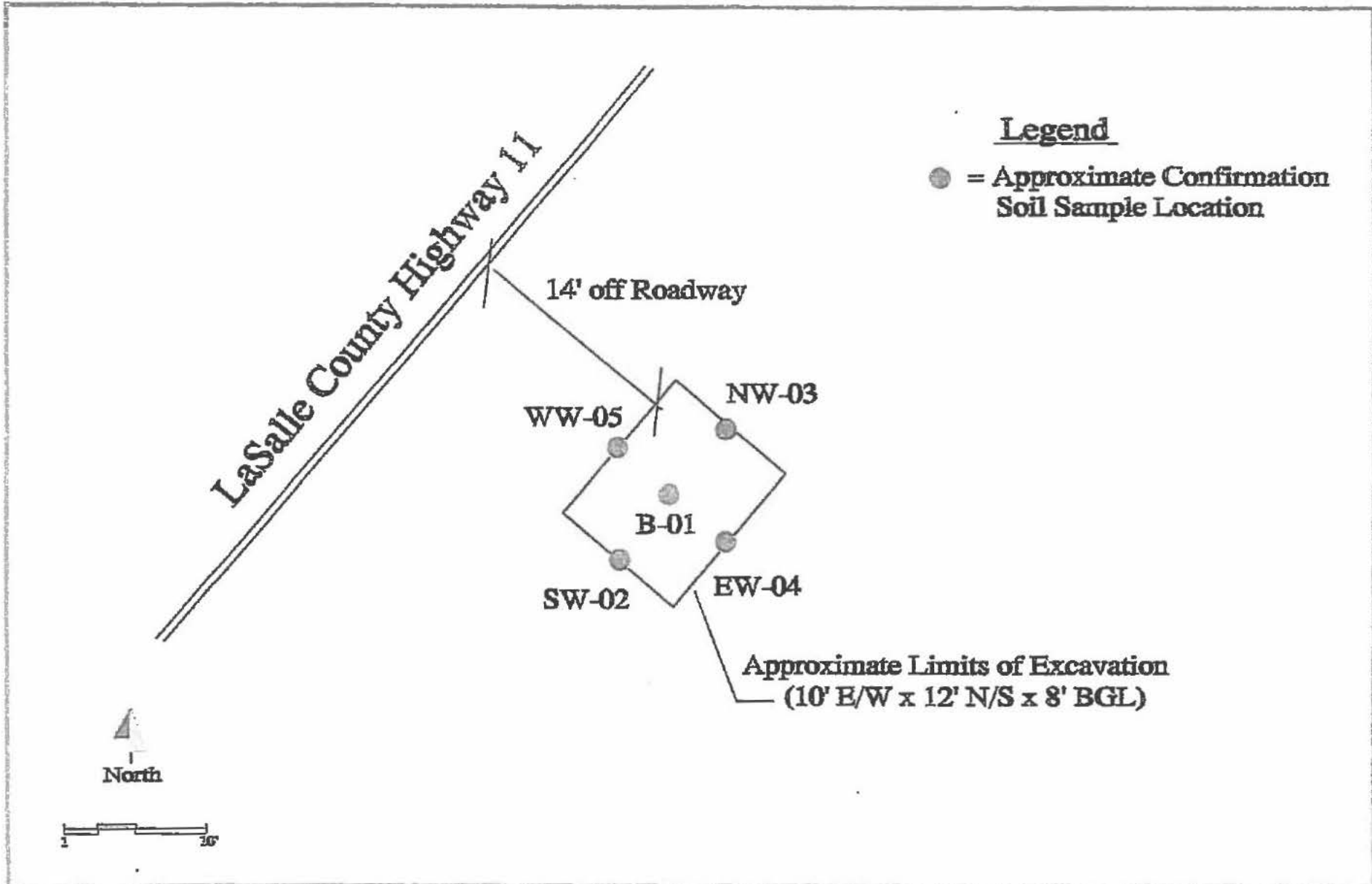
Kenneth V. Rose, PE, PG  
Director of Engineering & Environmental Services  
OmniTRAX, Inc., for Illinois Railway, LLC  
252 Clayton Street, 4<sup>th</sup> floor  
Denver, CO 80206  
(303) 398-4549 office  
krose@omnitrax.com

cc: Ken Koff, OmniTRAX  
Johnnie DeClue, OmniTRAX  
Scott Denison, SunPro



| V. Description of Underground Storage Tanks (Complete entire column for each tank) |                                     |                          |                          |                          |                          |
|--|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Tank Identification Number   | Tank No. ___                        | Tank No. ___             | Tank No. ___             | Tank No. ___             | Tank No. ___             |
| <b>1. Status of Tanks</b>  |                                     |                          |                          |                          |                          |
| Currently in use   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Temporarily out of use<br>(Section 2 must be completed)                            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Permanently out of use<br>(Section 2 must be completed)                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Removed<br>(Section 3 must be completed)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Abandoned in place<br>(Section 4 must be completed)                                | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>2. Tanks Permanently &amp; Temporarily Out of Use</b>                           |                                     |                          |                          |                          |                          |
| Estimated date last used   | 1 / 1 / 73                          | / /                      | / /                      | / /                      | / /                      |
| <b>3. Tanks Removed</b>  |                                     |                          |                          |                          |                          |
| Date tank(s) removed   | / /                                 | / /                      | / /                      | / /                      | / /                      |
| Estimated date last used   | / /                                 | / /                      | / /                      | / /                      | / /                      |
| <b>4. Abandoned in Place</b>   |                                     |                          |                          |                          |                          |
| Date tanks filled  | / /                                 | / /                      | / /                      | / /                      | / /                      |
| Tank filled with:  |                                     |                          |                          |                          |                          |
| Inert materials (sand, etc.)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Water  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unknown  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other (please specify)   | _____                               | _____                    | _____                    | _____                    | _____                    |
| <b>5. Age of Tank</b>  |                                     |                          |                          |                          |                          |
| Date tank installed  | / /                                 | / /                      | / /                      | / /                      | / /                      |
| Date product placed in tank  | / /                                 | / /                      | / /                      | / /                      | / /                      |
| <b>6. Estimated Total Capacity (gallons)</b>                                       |                                     |                          |                          |                          |                          |
|  | 500                                 | _____                    | _____                    | _____                    | _____                    |
| <b>7. Substances Currently or Last Stored:</b>                                     |                                     |                          |                          |                          |                          |
| <b>Petroleum</b>   |                                     |                          |                          |                          |                          |
| Diesel   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Kerosene   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gasoline   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Used oil   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other (Please specify)   | _____                               | _____                    | _____                    | _____                    | _____                    |
| <b>Petroleum Use (if applicable):</b>  |                                     |                          |                          |                          |                          |
| Heating oil<br>(consumptive use on premises)                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Back-up generator  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other (please specify)   | _____                               | _____                    | _____                    | _____                    | _____                    |
| <b>Hazardous Substance:</b>  |                                     |                          |                          |                          |                          |
| Name of principal CERCLA substance   | _____                               | _____                    | _____                    | _____                    | _____                    |
| Chemical Abstract Service (CAS No.)  | _____                               | _____                    | _____                    | _____                    | _____                    |

| Tank Identification Number   | Tank No. ___             |                          | Tank No. ___             |                          | Tank No. ___             |                          | Tank No. ___             |                          | Tank No. ___             |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|  | Tank                     | Piping                   | Tank                     | Piping                   | Tank                     | Piping                   | Tank                     | Piping                   | Tank                     | Piping                   |
| <b>4. Release Detection</b><br>(Mark all that apply)               |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Manual tank gauging  | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          |
| Inventory controls   | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          |
| Automatic tank gauging   | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          |
| Vapor monitoring   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater monitoring   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interstitial monitoring<br>double-walled tank/piping               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interstitial monitoring<br>/secondary containment                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tank tightness testing   | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          |
| Automatic line leak detector                                       |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Line tightness testing   |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Automatic shut-off device  |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Continuous alarm system  |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| No requirements<br>(european suction)                              |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Other (please specify)   | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          |
| <b>5. Corrosion Protection</b><br>(mark all that apply)            |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Cathodic protection  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Impressed current  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Secondary containment  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Exterior coating   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fiberglass reinforced plastic                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Double-walled  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interior lining  | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          |
| Other (please specify)   | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          |
| <b>6. Spill &amp; Overfill Prevention</b><br>(Mark all that apply) |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Overfill device  |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Automatic shut-off   |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Overfill Alarm   |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Ball float valve   |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Spill containment device   |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Other (Please specify)   | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          | _____                    |                          |



Shrack Environmental Consulting Inc.  
14106 South Naperville Road  
Plainfield, Illinois 60544

**Confirmation Soil Sample Locations Map**  
Project Name: Illinois Railway, LLC. / Wedron, Illinois  
Project Number: 13321.01

**Exhibit - 3**  
1224401-E2  
11/09/2012



**Table 1  
Analytical Testing Results  
Soil Samples Collected on April 29, 2013  
Sunpro, Inc./Wedron, Illinois  
Project: L13321.01**

| Testing Constituents                   | Sample Identification and Analytical Testing Results |         |         |        |               | Industrial/Commercial Exposure Route |            | Construction Worker Exposure Route |             | Soil Component of the GW Ingestion Exposure Route |              |
|--|--|---------|---------|--------|---------------|--------------------------------------|------------|------------------------------------|-------------|---|--------------|
|  | B-01   | SW-02   | NW-03   | EW-04  | WW-05         | Ingestion                            | Inhalation | Ingestion                          | Inhalation  | Class I   | Class II     |
| <b>BTEX Analytical Testing Results</b> |  |         |         |        |               |                                      |            |                                    |             |   |              |
| Benzene                                | <0.0055  | <0.0061 | <0.0019 | <0.017 | <b>0.89*</b>  | 100.0                                | 1.6        | 2,300.0                            | 2.2         | <b>0.03*</b>                                      | <b>0.17*</b> |
| Toluene                                | <0.0055  | <0.0061 | <0.0019 | 0.023  | 0.34          | 410,000.0                            | 650.0      | 410,000.0                          | 42.0        | 12.0  | 29.0         |
| Ethylbenzene                           | <0.0055  | <0.0061 | 0.074   | 0.30   | <b>17.0*</b>  | 200,000.0                            | 400.0      | 20,000.0                           | 58.0        | <b>13.0*</b>                                      | 19.0         |
| Xylene                                 | <0.011   | <0.012  | 0.17    | 1.7    | <b>100.0*</b> | 410,000.0                            | 320.0      | 41,000.0                           | <b>5.6*</b> | 150.0   | 150.0        |
| <b>PNA Analytical Testing Results</b>  |  |         |         |        |               |                                      |            |                                    |             |   |              |
| Acenaphthene                           | <0.035   | <0.039  | <0.040  | 0.012  | <0.041        | 120,000.0                            | N/A        | 120,000.0                          | N/A         | 570.0   | 2,900.0      |
| Anthracene                             | <0.035   | <0.039  | <0.040  | 0.014  | <0.041        | 610,000.0                            | N/A        | 610,000.0                          | N/A         | 12,000.0  | 59,000.0     |
| Benzo(a)anthracene                     | <0.035   | <0.039  | <0.040  | 0.068  | 0.026         | 8.0                                  | N/A        | 170.0                              | N/A         | 2.0   | 8.0          |
| Benzo(a)pyrene                         | <0.035   | <0.039  | <0.040  | 0.073  | 0.028         | 0.8                                  | N/A        | 17.0                               | N/A         | 8.0   | 82.0         |
| Benzo(b)fluoranthene                   | <0.035   | <0.039  | <0.040  | 0.11   | 0.034         | 8.0                                  | N/A        | 170.0                              | N/A         | 5.0   | 25.0         |
| Benzo(k)fluoranthene                   | <0.035   | <0.039  | <0.040  | 0.071  | 0.021         | 78.0                                 | N/A        | 1,700.0                            | N/A         | 49.0  | 250.0        |
| Chrysene                               | <0.035   | <0.039  | <0.040  | 0.079  | 0.039         | 780.0                                | N/A        | 17,000.0                           | N/A         | 160.0   | 800.0        |
| Dibenzo(a,h)anthracene                 | <0.035   | <0.039  | <0.040  | 0.012  | <0.041        | 0.8                                  | N/A        | 17.0                               | N/A         | 2.0   | 7.6          |
| Fluoranthene                           | <0.035   | <0.039  | <0.040  | 0.18   | 0.046         | 82,000.0                             | N/A        | 82,000.0                           | N/A         | 4,300.0   | 21,000.0     |
| Fluorene                               | <0.035   | <0.039  | 0.023   | 0.042  | 0.013         | 82,000.0                             | N/A        | 82,000.0                           | N/A         | 560.0   | 2,800.0      |
| Indeno(1,2,3-c,d)pyrene                | <0.035   | <0.039  | <0.040  | 0.034  | 0.023         | 8.0                                  | N/A        | 170.0                              | N/A         | 14.0  | 69.0         |
| Naphthalene                            | <0.035   | <0.039  | 0.067   | 0.36   | <b>2.0*</b>   | 41,000.0                             | 270.0      | 4,100.0                            | <b>1.8*</b> | 12.0  | 18.0         |
| Pyrene                                 | <0.035   | <0.039  | <0.040  | 0.18   | 0.077         | 61,000.0                             | N/A        | 61,000.0                           | N/A         | 4,200.0   | 21,000.0     |

- Note:**
- o Analytical testing results expressed in parts-per-million (ppm) concentrations.
  - o Analytical testing results compared to the IEPA's -February 23, 2007 - 35 LAC 742.Appendix B - Table B - Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties.
  - o Results expressed in **BOLD\*** exceed the above referenced soil remediation objectives.

Page 2

If you have any questions or need further assistance regarding the Illinois EPA's Leaking UST Program, please contact Eric Kuhlman, at 217-785-5715.

Sincerely,



Harry A. Chappel, P.E.  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land

HAC:EK:PV

c: Schrack Environmental Consulting, Inc.  
BOL File

Page 2

contamination is defined) within 90 days of the date of this letter pursuant to Sections 57.7(a) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.305. Please note that the Illinois EPA does not require the submission of a budget if the owner or operator does not intend to seek payment from the Underground Storage Tank Fund.

This action does not constitute any decision or determination regarding the timeliness of the submittal of the report. This decision does not waive or otherwise preclude any enforcement action the Illinois EPA may initiate in response to any apparent violation of timely submittal requirements.

Please be advised that Senate Bill 20/Public Act 98-109, which became effective July 25, 2013, requires that certain corrective action activities include a Project Labor Agreement (PLA) if payment of costs is requested from the UST Fund. Visit the Leaking UST Program Web page at [www.epa.state.il.us/land/lust](http://www.epa.state.il.us/land/lust) for information about Senate Bill 20, the fact sheet, and the PLA Certification. For corrective action activities that require a PLA, a complete application for payment from the UST Fund must contain a PLA Certification in order for payment from the UST Fund to be approved.

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Eric Kuhlman, at 217-785-5715.

Sincerely,



Harry A. Chappel, P.E.  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land

HAC:EK:P\

c: Schrack Environmental Consulting, Inc.  
BOL File

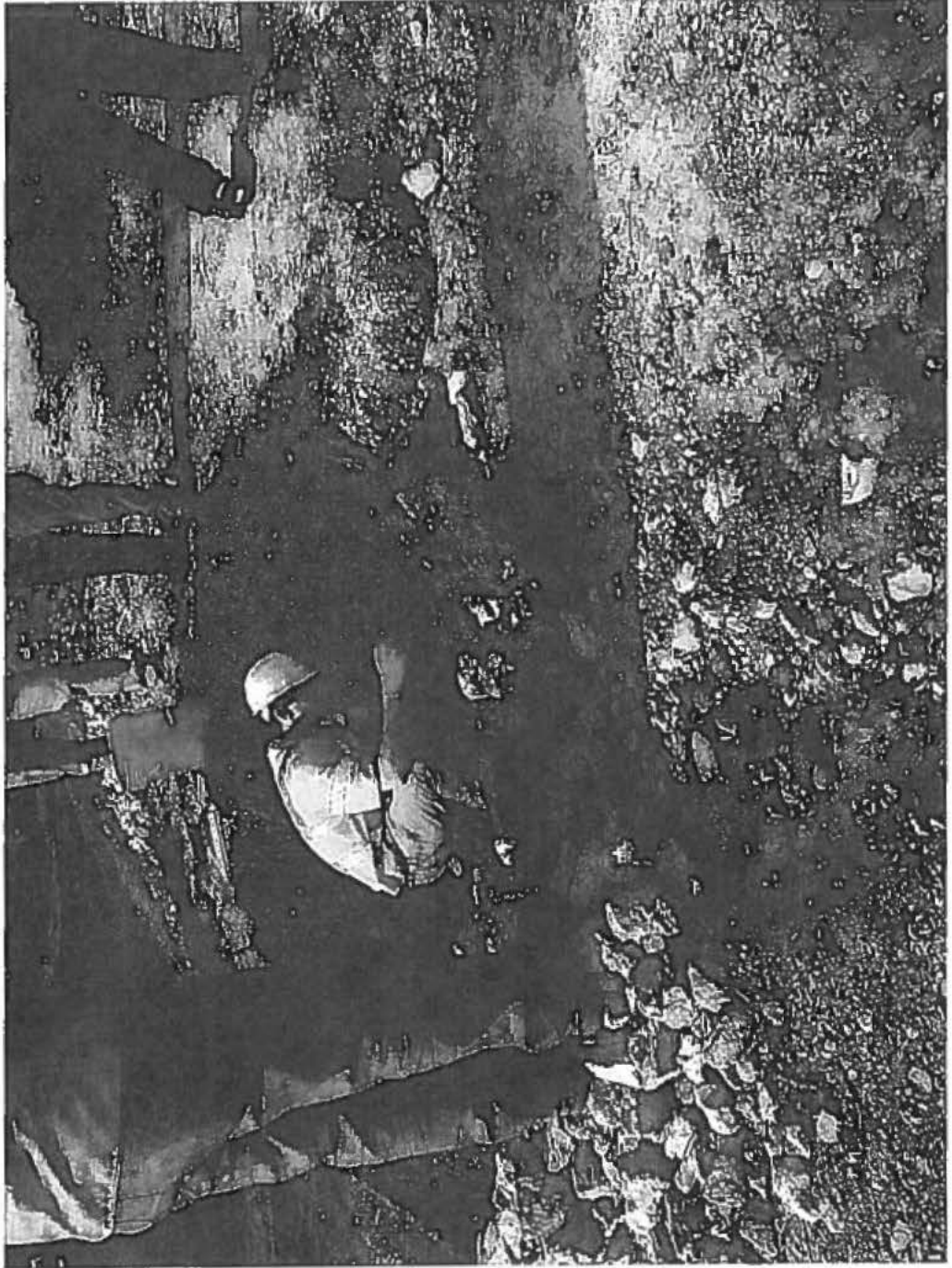


Wedron UST removed 4/29/13, Incident #H2013-0463  
Upon excavation the top of the UST was found to be previously  
opened and the tank was full of sand





Wedron UST sampling by EPA contractor (Weston) 4/29/13  
Incident #H2013-0463





# Sidewall of Wedron UST excavation

4/29/13





# Appendix C

## Appendix C

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# Subsurface Investigation Soil Boring and Monitoring Well Logs

**BORING NUMBER WS-2**

PAGE 1 OF 1

|  |  |
|--|--|
| CLIENT <u>OmniTRAX/Illinois Railway</u>                    | PROJECT NAME <u>Wedron</u>                     |
| PROJECT NUMBER <u>93562</u>                                | PROJECT LOCATION <u>Wedron, Illinois</u>       |
| DATE STARTED <u>8/23/12</u> COMPLETED <u>8/23/02</u>       | GROUND ELEVATION _____ HOLE SIZE <u>2"</u>     |
| DRILLING CONTRACTOR <u>GSG Drilling</u>                    | GROUND WATER LEVELS:                           |
| DRILLING METHOD <u>GeoProbe Dual-Tube sampling system</u>  | AT TIME OF DRILLING <u>--- Not Encountered</u> |
| LOGGED BY <u>Dave McCoy</u> CHECKED BY <u>Scott Letzel</u> | AT END OF DRILLING <u>---</u>                  |
| NOTES _____  | AFTER DRILLING <u>---</u>                      |

| DEPTH (ft) | SAMPLE TYPE NUMBER | BLOW COUNTS (N VALUE) | ENVIRONMENTAL DATA            | GRAPHIC LOG | MATERIAL DESCRIPTION   | WELL DIAGRAM |
|------------|--------------------|-----------------------|-------------------------------|-------------|--|--------------|
| 0          |                    |                       |                               |             | FILL: Dark brown topsoil fill, sand and gravel, cinders, moist                           |              |
|            | MC 1               |                       | PID = 0<br>PID = 0<br>PID = 0 |             |  |              |
| 5          | MC 2               |                       | PID = 0                       |             | CLAY: Gray silty clay, trace sand and gravel, black staining at 6'                       |              |
|            |                    |                       | PID = 160<br>PID = 73.6       |             | SAND: fine grained tan sand, trace gravel  |              |
|            |                    |                       |                               |             | SAND: Same sand as above, black staining, trace gravel, wet                              |              |
| 10         | MC 3               |                       | PID = 803                     |             | CLAY: Gray silty clay, trace sand and gravel, staining at 11', sand and gravel stringers |              |
|            |                    |                       | PID = 1200                    |             | CLAY: Brown silty clay, trace sand and gravel, soft, moist.                              |              |
|            | MC 4               |                       | PID = 479                     |             |  |              |
| 15         |                    |                       | PID = 240                     |             |  |              |
|            |                    |                       | PID = 379                     |             | SAND: Gray, brown silty sand, fine to coarse grained, trace gravel, wet at 17'           |              |
|            |                    |                       |                               |             | SAND: Same sand as above   |              |
|            | MC 5               |                       | PID = 130<br>PID = 37         |             |  |              |
| 20         |                    |                       | PID = 55                      |             |  |              |
|            | MC 6               |                       | PID = 1.5                     |             | CLAY: Brown silty clay, soft, wet at 21 feet. Refusal at 21 feet.                        |              |

Refusal at 21.0 feet.







ENVIRONMENTAL BH - GINT STD U.S. GDT - 9/2/12 09:42 - \GSGF02\PROJECTS - ENGINEERING\GINT LIBRARY\GINT\PROJECTS\CDM SMITH\WEDRON.GPJ



**BORING NUMBER WS-4**

PAGE 1 OF 1

CLIENT OmniTRAX/Illinois Railway PROJECT NAME Wedron  
 PROJECT NUMBER 93562 PROJECT LOCATION Wedron, Illinois  
 DATE STARTED 8/23/12 COMPLETED 8/23/12 GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 2"  
 DRILLING CONTRACTOR GSG Drilling GROUND WATER LEVELS:  
 DRILLING METHOD GeoProbe Dual-Tube sampling system AT TIME OF DRILLING --- Not Encountered  
 LOGGED BY Dave McCoy CHECKED BY Scott Letzel AT END OF DRILLING ---  
 NOTES \_\_\_\_\_ AFTER DRILLING ---

| DEPTH (ft) | SAMPLE TYPE NUMBER | BLOW COUNTS (N VALUE) | ENVIRONMENTAL DATA   | GRAPHIC LOG   | MATERIAL DESCRIPTION   | WELL DIAGRAM |
|------------|--------------------|-----------------------|--|---|--|--------------|
| 0          |                    |                       |  |   |  |              |
|            | MC 1               |                       | PID = 0<br>PID = 0   |    | FILL: Silty gravel fill  |              |
| 5          | MC 2               |                       | PID = 0<br>PID = 0<br>PID = 0                                |   | CLAY: Tan silty clay, trace coarse to fine sand and gravel lenses, soft, moist                                 |              |
| 10         | MC 3               |                       | PID = 0  |  | SAND: Tan fine to medium grained sand, trace gravel, moist.  |              |
|            | MC 4               |                       | PID = 65.2<br>PID = 2.8<br>PID = 55<br>PID = 24<br>PID = 433 |  | CLAY: Gray silty clay, tan mottling, trace sand and gravel, soft, moist, sand and gravel stringers throughout. |              |
| 15         | MC 5               |                       | PID = 8.5<br>PID = 0   |   |  |              |
| 20         |                    |                       | PID = 0  |  | SAND: Gray sand, fine to medium grained, gravelly, saturated at 21'  |              |
|            | MC 6               |                       | PID = 0.5<br>PID = 0   |  | CLAY: Gray silty clay, trace sand and gravel, stiff  |              |
|            |                    |                       |  |   |  |              |

Bottom of borehole at 24.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 9/6/12 09:42 - \\GSCF502\PROJECTS - ENGINEERING\GINT LIBRARY\GINT\PROJECTS\CDM SMITH\WEDRON.GPJ

**BORING NUMBER WS-8**

PAGE 1 OF 1

CLIENT OmniTRAX/Illinois Railway PROJECT NAME Wedron  
 PROJECT NUMBER 93562 PROJECT LOCATION Wedron, Illinois  
 DATE STARTED 8/24/12 COMPLETED 8/24/12 GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 2"  
 DRILLING CONTRACTOR GSG Drilling GROUND WATER LEVELS:  
 DRILLING METHOD GeoProbe Dual-Tube sampling system AT TIME OF DRILLING --- Not Encountered  
 LOGGED BY Dave McCoy CHECKED BY Scott Letzel AT END OF DRILLING ---  
 NOTES \_\_\_\_\_ AFTER DRILLING ---

ENVIRONMENTAL BH - GINT STD US.GDT - 05/12 09:42 - I\GSGFS02\PROJECTS - ENGINEERING\GINT LIBRARY\GINT\PROJECTS\CDM SMITH\WEDRON.GPJ

| DEPTH (ft) | SAMPLE TYPE NUMBER | BLOW COUNTS (N VALUE) | ENVIRONMENTAL DATA | GRAPHIC LOG | MATERIAL DESCRIPTION  | WELL DIAGRAM |
|------------|--------------------|-----------------------|--------------------|-------------|---|--------------|
| 0          |                    |                       |                    |             |   |              |
|            | MC 1               |                       | PID = 0            | 1.5         | FILL: Gravel fill   |              |
|            |                    |                       | PID = 0            |             | CLAY: Tan, silty clay, trace sand and gravel, stiff, moist to wet, sand and gravel stringers throughout.    |              |
| 5          | MC 2               |                       | PID = 0            |             |   |              |
|            |                    |                       | PID = 0            |             |   |              |
|            |                    |                       | PID = 0            |             |   |              |
|            |                    |                       | PID = 8.3          | 8.0         | CLAY: Gray silty clay, trace sand and gravel, moist to wet, sand seam at 8.5 feet and a gravel seam at 10.5 |              |
| 10         | MC 3               |                       | PID = 658          |             |   |              |
|            |                    |                       | PID = 10.5         | 11.0        | SAND: Gray, tan silty sand, fine grained, trace gravel  |              |
|            |                    |                       | PID = 0.4          | 13.0        |   |              |
|            | MC 4               |                       | PID = 0            |             | CLAY: Gray silty sandy clay, trace gravel, moist, stiff   |              |
| 15         |                    |                       | PID = 0.5          |             |   |              |
|            | MC 5               |                       | PID = 13.4         |             |   |              |
|            |                    |                       | PID = 9.8          | 18.0        |   |              |

Refusal at 18.0 feet.

**ENVIRONMENTAL BORING LOG**

|   |                                 |
|---|---------------------------------|
| <b>PROJECT NAME</b><br>Wedron, IL       | <b>BOREHOLE NUMBER</b><br>GP-07 |
| <b>OWNER/CLIENT</b><br>Illinois Railway | <b>PROJECT NUMBER</b><br>101127 |

| Sampling    |                 | DEPTH (FT.) | ODOR                          | STAIN | OVM (ppb)                                     | USCS TYPE                         | MATERIAL DESCRIPTION<br>Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics  |   |
|-------------|-----------------|-------------|-------------------------------|-------|---|-----------------------------------|---|---|
| LAB SAMPLE  | RECOVERY        |             |                               |       |   |                                   |   |   |
| A<br>4'-6'  | 4.2/<br>5.0     | 5           | fuel odor at sand lenses only | gray  | 158<br>38<br>15                               | SP                                | GRAVELLY SAND: Gray; m sand; c-f gravel, sa; loose; moist, no odor.   |   |
|             | B<br>8'-10' DUP | 5.0/<br>5.0 |                               |       | 10  | 491ppm<br>3154<br>42ppm<br>199ppm | SM  | SILTY SAND: Yellowish brown (10YR 5/4); f-m sand, mostly m, pg; loose; moist, no odor.  |
| 5.0/<br>5.0 |                 |             |                               | 15    |   | 42ppm<br>199ppm                   | 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'. |
|             | 5.0/<br>5.0     | 20          |                               |       | 1477  | GP                                | SANDY GRAVEL: Yellowish brown (10YR 5/4); c gravel, sr; pg sand; moist to wet, no odor.   |   |
| 2.0/<br>5.0 |                 |             |                               | 20    | 422<br>230<br>231<br>1143                     | ML/<br>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'. |   |
|             |                 |             |                               |       |   | 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   |

|  |                                   |                                      |                      |
|--|-----------------------------------|--------------------------------------|----------------------|
| <b>WATER FIRST NOTICED:</b><br>-10'        | <b>DRILLED BY:</b><br>CS Drilling | <b>STATION:</b><br>NA                | <b>OFFSET:</b><br>NA |
| <b>DEPTH TO WATER AT COMPLETION:</b><br>NA | <b>LOGGED BY:</b><br>CDM - C.Cox  | <b>GROUND LEVEL (MSL):</b><br>NA     |                      |
| <b>TOTAL DEPTH:</b><br>17'                 | <b>CHECKED BY:</b>                | <b>DATE STARTED:</b><br>12/20/2013   | <b>FRIDAY</b>        |
| <b>ABANDONMENT:</b><br>Bentonite chips     |                                   | <b>DATE COMPLETED:</b><br>12/20/2013 |                      |
| <b>EQUIPMENT:</b><br>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



**ENVIRONMENTAL BORING LOG**

|   |                                 |
|---|---------------------------------|
| <b>PROJECT NAME</b><br>Wedron, IL       | <b>BOREHOLE NUMBER</b><br>GP-11 |
| <b>OWNER/CLIENT</b><br>Illinois Railway | <b>PROJECT NUMBER</b><br>101127 |

| Sampling         |             | DEPTH (FT.) | ODOR            | STAIN               | OVM (ppb) | USCS TYPE | MATERIAL DESCRIPTION<br>Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics   |  |
|------------------|-------------|-------------|-----------------|---------------------|-----------|-----------|--|--|
| LAB SAMPLE       | RECOVERY    |             |                 |                     |           |           |  |  |
| A<br>8'-10'      | 4.0/<br>5.0 | 0           |                 |                     | 0         | FILL      | SAND AND GRAVEL: f-c gravel, sa-sr; m sand, pg; dry, no odor (FILL)  |  |
|                  |             | 9           |                 |                     | 9         | FILL      | FILL: Black granular material, similar to asphalt; t broken concrete; dry, no odor.  |  |
|                  |             | 13          |                 |                     | 13        | CL        | 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.   |  |
|                  |             | 20          |                 |                     | 20        |           |  |  |
|                  |             | 38          |                 |                     | 38        |           |  |  |
|                  |             | 13          |                 |                     | 13        |           |  |  |
|                  |             | 4.6/<br>5.0 | 19              |                     |           | 19        | 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/<br>5.0 | 22              |                     |           | 22        | ML   | CLAYEY SILT: Light yellowish brown (10YR 6/4); stiff; low plasticity silt; mottled color; moist, no odor           |
|                  |             |             | 5               |                     |           | 5         |  |  |
|                  |             |             | 300             |                     |           | 300       |  |  |
|                  | 5.0/<br>5.0 | 11          | strong fuel     |                     | 11        | 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. |  |
| B<br>17'-19' DUP | 5.0/<br>5.0 | 22          | faint fuel odor | sand lenses stained | 22        | CL        | CLAY WITH SILT: Gray (10YR 5/1); low plasticity silt; stiff; faint fuel odor; moist to wet.  |  |
|                  |             | 3           |                 |                     | 3         |           |  |  |
|                  |             | 6           |                 |                     | 6         |           |  |  |
|                  |             | 8           |                 |                     | 8         |           |  |  |
|                  |             |             |                 |                     |           |           | End of boring at 25' bgs   |  |

|  |                                   |                                      |                      |
|--|-----------------------------------|--------------------------------------|----------------------|
| <b>WATER FIRST NOTICED:</b><br>-18'        | <b>DRILLED BY:</b><br>CS Drilling | <b>STATION:</b><br>NA                | <b>OFFSET:</b><br>NA |
| <b>DEPTH TO WATER AT COMPLETION:</b><br>NA | <b>LOGGED BY:</b><br>CDM - C.Cox  | <b>GROUND LEVEL (MSL):</b><br>NA     |                      |
| <b>TOTAL DEPTH:</b><br>25'                 |                                   | <b>DATE STARTED:</b><br>12/20/2013   | <b>FRIDAY</b>        |
| <b>ABANDONMENT:</b><br>Bentonite chips     | <b>CHECKED BY:</b>                | <b>DATE COMPLETED:</b><br>12/20/2013 |                      |
| <b>EQUIPMENT:</b><br>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, >499 ppm = greater than PID limits

**ENVIRONMENTAL BORING LOG**

|   |                                       |
|---|---------------------------------------|
| <b>PROJECT NAME</b><br>Wedron, IL       | <b>BOREHOLE NUMBER</b><br>GP-14/MW-14 |
| <b>OWNER/CLIENT</b><br>Illinois Railway | <b>PROJECT NUMBER</b><br>101127       |

| Sampling                 |             | DEPTH (FT.) | ODOR  | STAIN | OVM (ppm) | USCS TYPE | MATERIAL DESCRIPTION<br>Class, Color, Plasticity (high, low), Density (stiff, soft, loose), Moisture (dry, damp, moist, wet), Organics  |
|--------------------------|-------------|-------------|-------|-------|-----------|-----------|---|
| LAB SAMPLE               | RECOVERY    |             |       |       |           |           |   |
| A<br>8'-10'              | 3.4/<br>5.0 | 5           |       |       | 4.8       | SM-GM     | SILTY SAND and GRAVEL: f-c gravel, a-sa-sr max $\phi$ = 2"; f-m sand, pg, low plasticity, brown roots @ 0-5"; moist, no odor.   |
|                          |             |             |       |       | 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').  |
|                          | 3.2/<br>5.0 | 10          |       |       | 5.0       |           | SAND: f-m, pg, tan to brown, moist, no odor.  |
|                          | 5.0/<br>5.0 | 15          |       |       | 7.1       | SP        | SAND: f-m, pg, tan to brown, moist, no odor.  |
| B<br>16'-18'             |             |             |       |       | 7.9       | CL-SP     | SILTY CLAY with SAND lenses: Silty clay is brownish gray, m stiff, low plasticity, mottled color no odor; moist to wet at 12'; lenses of sand at 12'-12.1', 12.8'-12.9', 13.2'-13.3', 13.9' to 14.0'. |
|                          | 4.2/<br>5.0 | 20          | faint | gray  | 401.9     | SM        | SILTY SAND, f-m, pg sand, low plasticity, brown; stained gray at 16'-18'; faint odor, moist to wet at 18'.  |
|                          |             |             | faint | gray  | 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/<br>5.0 | 25          |       |       | 4.4       | CL        | SILTY CLAY: Grayish brown, m stiff, low plasticity, dense, moist to wet, lense of sand at 22.2'-22.5'.  |
|                          |             | 30          |       |       | 1.6       |           |   |
|                          |             |             |       |       |           | BR        | BEDROCK: Weathered sandstone  |
| End of boring at 34' bgs |             |             |       |       |           |           |   |

|  |  |                                     |                      |
|--|--|-------------------------------------|----------------------|
| <b>WATER FIRST NOTICED:</b><br>-12'            | <b>DRILLED BY:</b><br>CS Drilling      | <b>STATION:</b><br>NA               | <b>OFFSET:</b><br>NA |
| <b>DEPTH TO WATER AT COMPLETION:</b><br>28.94' | <b>LOGGED BY:</b><br>CDM Smith - C.Cox | <b>GROUND LEVEL (MSL):</b><br>NA    |                      |
| <b>TOTAL DEPTH:</b><br>34'                     | <b>CHECKED BY:</b>                     | <b>DATE STARTED:</b><br>3/28/2014   |                      |
| <b>ABANDONMENT:</b><br>MW-14                   |  | <b>DATE COMPLETED:</b><br>3/28/2014 |                      |
| <b>EQUIPMENT:</b><br>DPT/HSA                   |  | SHEET 1 of 1                        |                      |

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



Site Number: \_\_\_\_\_ County: LaSalle

Site Name: WEDRON, IL RAILWAY Well #: MW-14

State: \_\_\_\_\_ Borehole #: 01-14

Plane Coordinate: X \_\_\_\_\_ Y \_\_\_\_\_ (or) Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Northing and Easting: 25787.3443, 23428.0667

Surveyed by: Vegetyn, Sawyer and Associates, Inc. II. 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, Pack, Slurry  
 (Choose One)

Installation Method: Slow drop from bag

Setting Time: \_\_\_\_\_

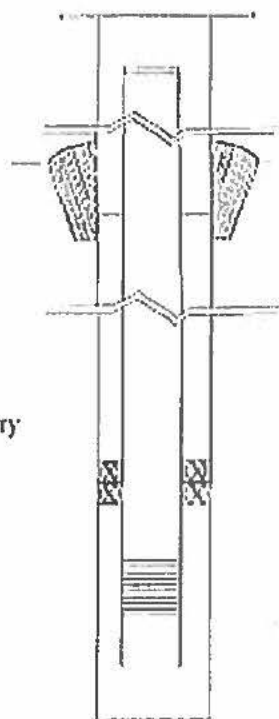
Type of Sand Pack: Slow drop from bag

Grain Size: #5 (Sieve Size)

Installation Method: Slow drop from bag

Type of Backfill Material: NA  
 (if applicable)

Installation Method: NA



| 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

**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 |

**CASING MEASUREMENTS**

|   |       |
|---|-------|
| Diameter of Borehole (inches)               | 8.5   |
| ID of Riser Pipe (inches)                   | 11.5  |
| Protective Casing Length (feet)             | 1     |
| Riser Pipe Length (feet)                    | 2.7   |
| Bottom of Screen to End Cap (feet)          | 0.1   |
| Screen Length (1" slot to last slot) (feet) | 10    |
| Total Length of Casing (feet)               | 15    |
| Screen Slot Size **                         | 0.075 |

\*\* Half-Slotted Well Screens are Unacceptable





GSG Consultants Inc  
855 West Adams, Suite 200  
Chicago, Illinois 60607

|   |  |
|---|--|
| CLIENT <u>CDM Smith</u>                                   | PROJECT NAME <u>Wedron</u>                     |
| PROJECT NUMBER _____                                      | PROJECT LOCATION <u>Wedron, Illinois</u>       |
| DATE STARTED <u>6/27/16</u> COMPLETED <u>6/27/16</u>      | GROUND ELEVATION _____ HOLE SIZE <u>inches</u> |
| DRILLING CONTRACTOR _____                                 | GROUND WATER LEVELS:                           |
| DRILLING METHOD <u>GeoProbe Dual-Tube sampling system</u> | AT TIME OF DRILLING <u>---</u>                 |
| LOGGED BY <u>Dave McCoy</u> CHECKED BY <u>G. Kourias</u>  | AT END OF DRILLING <u>---</u>                  |
| NOTES _____   | AFTER DRILLING <u>---</u>                      |

GENERAL BH / TP / WELL - GINT STD US LAB GDT - 7/17/16 10:43 - ICSGFS02PROJECTS - ENGINEERING/CDM SMITH/WEDRON 2016 BORING LOGS/WEDRON 2016.GPJ

| DEPTH (ft) | SAMPLE TYPE NUMBER | RECOVERY % | REMARKS                                   | GRAPHIC LOG | MATERIAL DESCRIPTION   | ENVIRONMENTAL DATA   | WELL DIAGRAM |
|------------|--------------------|------------|---|-------------|--|--|--------------|
| 0          |                    |            |   |             | 0.2 ASPHALT - 2"   |  |              |
|            | 1                  | 100        | Sample SB-23-0203 collected at 2' to 3'   |             | 1.0 GRAVEL<br>CLAY - Silty clay with black staining (1.5' to 2.0'), trace sand and gravel, moist | PID = 0<br>PID = 2107                                      |              |
| 5          | 2                  | 100        | Sample SB-23-0708 collected at 7' to 8'   |             | 3.0<br>CLAY - Brown silty clay with trace sand and gravel - Stained from 4' to 4.5'              | PID = 2107<br>PID = 22<br>PID = 24                         |              |
| 10         | 3                  | 83         | Sample SB-23-1112 collected at 11' to 12' |             | 8.0<br>SAND - Brown silty sand with trace coarse gravel  | PID = 103<br>PID = 15<br>PID = 22<br>PID = 309             |              |
| 15         | 4                  | 100        | Sample SB-23-1415 collected at 14' to 15' |             | 10.0<br>CLAY - Gray silty clay with brown mottling, trace sand and gravel - Staining at 14'      | PID = 396<br>PID = 957<br>PID = 6<br>PID = 874<br>PID = 78 |              |
| 16.0       |                    |            |   |             |  | PID = 28   |              |

Bottom of borehole at 16.0 feet.

# Appendix D

## Appendix D

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# Laboratory Analytical Results and Chain of Custody Forms





# CDM Smith 2012 DATA





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.*

**STAT Analysis Corporation**

Date: September 17, 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 |
|---------------|------------------|------------|-----------------------|---------------|
| 12080876-001A | 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     |

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

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**Work Order Sample Summary**

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

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**STAT Analysis Corporation**

Date: September 17, 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%)



**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:** 12080876-017

**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 |
|--|--------------------------|-------|-------|-----------------------------|-----------|---------------------|---------------|
| <b>Total Petroleum Hydrocarbons</b>            |                          |       |       |                             |           |                     |               |
|  | <b>SW8015M (SW3580A)</b> |       |       | <b>Prep Date: 9/4/2012</b>  |           | <b>Analyst: GVC</b> |               |
| 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      |
| <b>Semivolatile Organic Compounds by GC/MS</b> |                          |       |       |                             |           |                     |               |
|  | <b>SW8270C (SW3550B)</b> |       |       | <b>Prep Date: 8/30/2012</b> |           | <b>Analyst: DM</b>  |               |
| 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     |
| <b>BTEX by GC/MS</b>                           |                          |       |       |                             |           |                     |               |
|  | <b>SW5035/8260B</b>      |       |       | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: ERP</b> |               |
| 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      |
| <b>Percent Moisture</b>                        |                          |       |       |                             |           |                     |               |
|  | <b>D2974</b>             |       |       | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b>  |               |
| Percent Moisture                               | 15.0                     | 0.2   | 0.11  | *                           | wt%       | 1                   | 8/29/2012     |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 RL/MDL - Reporting Limit / Method Detection Limit for the analysis  
 J - Analyte detected below reporting limit  
 S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank  
 R - RPD outside accepted recovery limits  
 HT - Sample received past holding time  
 E - Value above quantitation range  
 \* - Non-accredited parameter  
 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: Omnitrax 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 |
|--|-------------------|--------|----------|----------------------|-----------|--------------|---------------|
| <b>Total Petroleum Hydrocarbons</b>            |                   |        |          |                      |           |              |               |
|  | 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      |
| <b>Semivolatile Organic Compounds by GC/MS</b> |                   |        |          |                      |           |              |               |
|  | 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     |
| <b>BTEX by GC/MS</b>                           |                   |        |          |                      |           |              |               |
|  | 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      |
| <b>Percent Moisture</b>                        |                   |        |          |                      |           |              |               |
|  | D2974             |        |          | Prep Date: 8/28/2012 |           | Analyst: RW  |               |
| Percent Moisture                               | 5.8               | 0.2    | 0.11     | *                    | wl%       | 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  
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIIIA 101160; NVLAP LabCode 101202

Date Printed: September 17, 2012

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

**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 |
|--|--------------------------|--------|---------|-----------------------------|-----------|---------------------|---------------|
| <b>Semivolatile Organic Compounds by GC/MS</b> |                          |        |         |                             |           |                     |               |
|  | <b>SW8270C (SW3550B)</b> |        |         | <b>Prep Date: 9/4/2012</b>  |           | <b>Analyst: DM</b>  |               |
| 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      |
| Benzo(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      |
| <b>BTEX by GC/MS</b>                           |                          |        |         |                             |           |                     |               |
|  | <b>SW5035/8260B</b>      |        |         | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: ART</b> |               |
| 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      |
| <b>Percent Moisture</b>                        |                          |        |         |                             |           |                     |               |
|  | <b>D2974</b>             |        |         | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b>  |               |
| Percent Moisture                               | 23.8                     | 0.2    | 0.11    | *                           | wt%       | 1                   | 8/29/2012     |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 RL/MDL - Reporting Limit / Method Detection Limit for the analysis  
 J - Analyte detected below reporting limit  
 S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank  
 R - RPD outside accepted recovery limits  
 IIT - Sample received past holding time  
 E - Value above quantitation range  
 \* - Non-accredited parameter  
 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 |
|--|------------------------------|--------|---------|-----------------------------|-------|---------------------|---------------|
| <b>Polynuclear Aromatic Hydrocarbons</b> |                              |        |         |                             |       |                     |               |
|  | <b>SW8270C-SIM (SW3510C)</b> |        |         | <b>Prep Date: 8/28/2012</b> |       | <b>Analyst: DM</b>  |               |
| 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     |
| <b>BTEX by GC/MS</b>                     |                              |        |         |                             |       |                     |               |
|  | <b>SW8260B (SW5030B)</b>     |        |         | <b>Prep Date:</b>           |       | <b>Analyst: ERP</b> |               |
| 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; AIIIA 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 |
|---|--------------------------|-------|--------|-----------------------------|-----------|---------------------|---------------|
| <b>Semivolatle Organic Compounds by GC/MS</b> |                          |       |        |                             |           |                     |               |
|   | <b>SW8270C (SW3550B)</b> |       |        | <b>Prep Date: 8/30/2012</b> |           | <b>Analyst: DM</b>  |               |
| 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     |
| <b>BTEX by GC/MS</b>                          |                          |       |        |                             |           |                     |               |
|   | <b>SW5035/8260B</b>      |       |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: ERP</b> |               |
| 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      |
| <b>Percent Moisture</b>                       |                          |       |        |                             |           |                     |               |
|   | <b>D2974</b>             |       |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b>  |               |
| Percent Moisture                              | 6.9                      | 0.2   | 0.11   | *                           | wt%       | 1                   | 8/29/2012     |

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 \* - Non-accredited parameter  
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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 |
|--|--------------------------|--------|----------|----------------------|-----------|-------------|---------------|
| <b>Semivolatile Organic Compounds by GC/MS</b> |                          |        |          |                      |           |             |               |
|  | <b>SW8270C (SW3550B)</b> |        |          | 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     |
| <b>BTEX by GC/MS</b>                           |                          |        |          |                      |           |             |               |
|  | <b>SW5035/8260B</b>      |        |          | 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      |
| <b>Percent Moisture</b>                        |                          |        |          |                      |           |             |               |
|  | <b>D2974</b>             |        |          | 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  
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 E - Value above quantitation range  
 H - Holding time exceeded



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

Date Printed: September 17, 2012

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

**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 |
|--|--------------------------|-------|----------|-----------------------------|-----------|---------------------|---------------|
| <b>Semivolatile Organic Compounds by GC/MS</b> |                          |       |          |                             |           |                     |               |
|  | <b>SW8270C (SW3550B)</b> |       |          | <b>Prep Date: 8/30/2012</b> |           | <b>Analyst: DM</b>  |               |
| 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     |
| <b>BTEX by GC/MS</b>                           |                          |       |          |                             |           |                     |               |
|  | <b>SW5035/8260B</b>      |       |          | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: ERP</b> |               |
| 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      |
| <b>Percent Moisture</b>                        |                          |       |          |                             |           |                     |               |
|  | <b>D2974</b>             |       |          | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b>  |               |
| Percent Moisture                               | 9.9                      | 0.2   | 0.11     | *                           | wt%       | 1                   | 8/29/2012     |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 H - Holding time exceeded

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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 |
|--|--------------------------|-------|--------|-----------------------------|-----------|--------------------|---------------|
| <b>Semivolatile Organic Compounds by GC/MS</b> |                          |       |        |                             |           |                    |               |
|  | <b>SW8270C (SW3550B)</b> |       |        | <b>Prep Date: 9/4/2012</b>  |           | <b>Analyst: DM</b> |               |
| 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      |
| <b>BTEX by GC/MS</b>                           |                          |       |        |                             |           |                    |               |
|  | <b>SW5035/8260B</b>      |       |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: PS</b> |               |
| 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      |
| <b>Percent Moisture</b>                        |                          |       |        |                             |           |                    |               |
|  | <b>D2974</b>             |       |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b> |               |
| 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  
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 IIT - 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; AIIIA 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 |
|--|--------|--------------------------|--------|-----------------------------|-----------|---------------------|---------------|
| <b>Semivolatile Organic Compounds by GC/MS</b> |        | <b>SW8270C (SW3550B)</b> |        | <b>Prep Date: 8/30/2012</b> |           | <b>Analyst: DM</b>  |               |
| 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     |
| <b>BTEX by GC/MS</b>                           |        | <b>SW5035/8260B</b>      |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: ERP</b> |               |
| 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      |
| <b>Percent Moisture</b>                        |        | <b>D2974</b>             |        | <b>Prep Date: 8/28/2012</b> |           | <b>Analyst: RW</b>  |               |
| 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  
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIIIA 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 |

|                    |   |  |
|--------------------|---|--|
| <b>Qualifiers:</b> | ND - Not Detected at the Reporting Limit            | RL/MDL - Reporting Limit / Method Detection Limit for the analysis |
|                    | J - Analyte detected below reporting limit          | S - Spike Recovery outside accepted recovery limits                |
|                    | B - Analyte detected in the associated Method Blank | R - RPD outside accepted recovery limits                           |
|                    | HT - Sample received past holding time              | E - Value above quantitation range                                 |
|                    | * - Non-accredited parameter                        | 11 - Holding time exceeded   |

CHAIN OF CUSTODY RECORD

No: 844881

Page: 1 of 4

|                                   |  |  |  |
|-----------------------------------|--|--|--|
| Company: COM Smith                |  | P.O. No.:  |  |
| Project Number:                   |  | Client Tracking No.:   |  |
| Project Name: OMNITrac Wedron     |  | Quote No.:   |  |
| Project Location: Wedron IL       |  |  |  |
| Sampler(s): Dum                   |  |  |  |
| Report To: Chris Albrecht         |  | Phone: 312-376-5000  |  |
|                                   |  | Fax: 312-376-5228  |  |
| QC Level: 1 2 3 4                 |  | e-mail: Albrecht@comsmith.com  |  |
| Client Sample Number/Description: |  | Date Taken   | Time Taken   |
|                                   |  | Matrix   | Comp.  |
|                                   |  | Grab   | Preserv.   |
|                                   |  | No of Containers   |  |
|                                   |  | RETEX Lead PNTS  |  |
|                                   |  | Turn Around: 5 business days   |  |
|                                   |  | Results Needed: am/pm  |  |
|                                   |  | Remarks  | Lab No.:   |
| UST-1-1                           |  | 8/23/12  | 830  |
| UST-1-2                           |  |  | 840  |
| UST-2-1                           |  |  | 915  |
| UST-2-2                           |  |  | 925  |
| UST-3-1                           |  |  | 935  |
| UST-3-2                           |  |  | 940  |
| UST-4-1                           |  |  | 1005   |
| UST-4-2                           |  |  | 1010   |
| UST-5-1                           |  |  | 1040   |
| UST-5-2                           |  |  | 1045   |
| UST-6-1                           |  |  | 11:00  |
| 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                            |  |  | 14:55  |
| WS-2-5                            |  |  | 15:00  |
| WS-2-6                            |  |  | 15:05  |
| Relinquished by: (Signature)      |  | Date/Time: 8/27/12   | Comments:  |
| Received by: (Signature)          |  | Date/Time: 8/27/12   | Report Random Samples Done by STAT   |
| Relinquished by: (Signature)      |  | Date/Time:   |  |
| Received by: (Signature)          |  | Date/Time:   |  |
| Relinquished by: (Signature)      |  | Date/Time:   | Preservation Code: A = None B = HNO <sub>3</sub> C = NaOH                        |
| Received by: (Signature)          |  | Date/Time:   | D = H <sub>2</sub> SO <sub>4</sub> E = HCl F = SO <sub>3</sub> /EnCore G = Other |
|                                   |  | Laboratory Work Order No.: 12080876  |  |
|                                   |  | Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
|                                   |  | Temperature: 5.2 °C  |  |







CHAIN OF CUSTODY RECORD

No: 844878

Page: 3 of 4

| Company: <u>CDM Smith</u>  |            |                               |        |  |      |                            |                   | P.O. No.:   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
|--|------------|-------------------------------|--------|--|------|----------------------------|-------------------|---|-----|-----------------------------------|------------|------------|--------|-------|------|----------|-------------------|---------|----------|---------|---------|-----|---|--|---|--|---|---|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-----|---|--|--|--|--|--|-----|---------|--|-------|---|--|--|--|--|--|-----|---------|--|-------|---|--|--|--|--|--|-----|--------------------|--|-------|---|--|--|--|--|--|-----|--------|--|-------|---|--|--|--|--|------|-----|--------|--|-------|---|--|--|--|--|------|-----|----------|--|-------|---|--|--|--|--|--|-----|----------|--|------|---|--|--|--|--|--|-----|----------|--|------|---|--|--|--|--|------|-----|--------|--|------|---|--|--|--|--|--|-----|--------|--|------|---|--|--|--|--|------|-----|
| Project Number:  |            |                               |        | Client Tracking No.:   |      |                            |                   | Quote No.:  |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Project Name: <u>OMNITREX Wedron</u>   |            |                               |        |  |      |                            |                   | Turn Around:<br><u>Standard</u><br>Results Needed:<br>nm/pm |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Project Location: <u>Wedron, IL</u>  |            |                               |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Sampler(s): <u>DCM</u>   |            |                               |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Report To: <u>Chris Albrecht</u>   |            |                               |        | Phone: <u>1-312-346-5060</u>   |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
|  |            |                               |        | Fax: <u>6312-346-5228</u>  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| QC Level: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>  |            |                               |        | e-mail: <u>Albrecht@CDMSmith.com</u>   |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| <table border="1"> <thead> <tr> <th>Client Sample Number/Description:</th> <th>Date Taken</th> <th>Time Taken</th> <th>Matrix</th> <th>Comp.</th> <th>Grab</th> <th>Preserv.</th> <th>No. of Containers</th> <th>Remarks</th> <th>Lab No.:</th> </tr> </thead> <tbody> <tr> <td>SRA-1-1</td> <td>8/24/12</td> <td>840</td> <td>S</td> <td></td> <td>X</td> <td></td> <td>4</td> <td>X</td> <td>030</td> </tr> <tr> <td>SRA-1-2</td> <td></td> <td>845</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>031</td> </tr> <tr> <td>SRA-2-1</td> <td></td> <td>855</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>032</td> </tr> <tr> <td>SRA-2-2</td> <td></td> <td>900</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>033</td> </tr> <tr> <td>SRA-3-1</td> <td></td> <td>910</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>034</td> </tr> <tr> <td>SRA-3-2</td> <td></td> <td>915</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>035</td> </tr> <tr> <td>SRA-4-1</td> <td></td> <td>950</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>036</td> </tr> <tr> <td>SRA-4-2</td> <td></td> <td>955</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>037</td> </tr> <tr> <td>SRA-5-1</td> <td></td> <td>11:00</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>038</td> </tr> <tr> <td>SRA-5-2</td> <td></td> <td>11:05</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>039</td> </tr> <tr> <td><del>SRA-5-3</del></td> <td></td> <td>11:45</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>040</td> </tr> <tr> <td>WS-5-1</td> <td></td> <td>11:45</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td>HOLD</td> <td>041</td> </tr> <tr> <td>WS-5-2</td> <td></td> <td>11:50</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td>HOLD</td> <td>042</td> </tr> <tr> <td>X WS-5-3</td> <td></td> <td>11:55</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>043</td> </tr> <tr> <td>X WS-5-4</td> <td></td> <td>1200</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>044</td> </tr> <tr> <td>X WS-6-1</td> <td></td> <td>1235</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td>HOLD</td> <td>045</td> </tr> <tr> <td>WS-6-2</td> <td></td> <td>1240</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>046</td> </tr> <tr> <td>WS-6-3</td> <td></td> <td>1250</td> <td>S</td> <td></td> <td></td> <td></td> <td></td> <td>HOLD</td> <td>047</td> </tr> </tbody> </table> |            |                               |        |  |      |                            |                   |   |     | Client Sample Number/Description: | Date Taken | Time Taken | Matrix | Comp. | Grab | Preserv. | No. of Containers | Remarks | Lab No.: | SRA-1-1 | 8/24/12 | 840 | S |  | X |  | 4 | X | 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 | <del>SRA-5-3</del> |  | 11:45 | W |  |  |  |  |  | 040 | WS-5-1 |  | 11:45 | S |  |  |  |  | HOLD | 041 | WS-5-2 |  | 11:50 | S |  |  |  |  | HOLD | 042 | X WS-5-3 |  | 11:55 | S |  |  |  |  |  | 043 | X WS-5-4 |  | 1200 | S |  |  |  |  |  | 044 | X WS-6-1 |  | 1235 | S |  |  |  |  | HOLD | 045 | WS-6-2 |  | 1240 | S |  |  |  |  |  | 046 | WS-6-3 |  | 1250 | S |  |  |  |  | HOLD | 047 |
| Client Sample Number/Description:  | Date Taken | Time Taken                    | Matrix | Comp.  | Grab | Preserv.                   | No. of Containers |   |     | Remarks                           | Lab No.:   |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| SRA-1-1  | 8/24/12    | 840                           | S      |  | X    |                            | 4                 |   |     | X                                 | 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 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| <del>SRA-5-3</del>   |            | 11:45                         | W      |  |      |                            |                   |   | 040 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| WS-5-1   |            | 11:45                         | S      |  |      |                            |                   | HOLD  | 041 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| WS-5-2   |            | 11:50                         | S      |  |      |                            |                   | HOLD  | 042 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| X WS-5-3   |            | 11:55                         | S      |  |      |                            |                   |   | 043 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| X WS-5-4   |            | 1200                          | S      |  |      |                            |                   |   | 044 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| X WS-6-1   |            | 1235                          | S      |  |      |                            |                   | HOLD  | 045 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| WS-6-2   |            | 1240                          | S      |  |      |                            |                   |   | 046 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| WS-6-3   |            | 1250                          | S      |  |      |                            |                   | HOLD  | 047 |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Relinquished by: (Signature)   |            | Date/Time: <u>8/24/12 800</u> |        | Comments:  |      | Laboratory Work Order No.: |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Received by: (Signature)   |            | Date/Time: <u>8/27/12 800</u> |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Relinquished by: (Signature)   |            | Date/Time:                    |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Received by: (Signature)   |            | Date/Time:                    |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Relinquished by: (Signature)   |            | Date/Time:                    |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Received by: (Signature)   |            | Date/Time:                    |        |  |      |                            |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |
| Preservation Code: A = None B = HNO <sub>3</sub> C = NaOH<br>D = H <sub>2</sub> SO <sub>4</sub> E = HCl F = 5035/EnCore G = Other  |            |                               |        | Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |      | Temperature: <u>5.2</u> °C |                   |   |     |                                   |            |            |        |       |      |          |                   |         |          |         |         |     |   |  |   |  |   |   |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |     |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |         |  |       |   |  |  |  |  |  |     |                    |  |       |   |  |  |  |  |  |     |        |  |       |   |  |  |  |  |      |     |        |  |       |   |  |  |  |  |      |     |          |  |       |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |  |     |          |  |      |   |  |  |  |  |      |     |        |  |      |   |  |  |  |  |  |     |        |  |      |   |  |  |  |  |      |     |

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CHAIN OF CUSTODY RECORD

No: 844879

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| Company: <u>COM Smith</u>   |                |             |                                      |                      |          |          | P.O. No.:  |          |             |            |
|---|----------------|-------------|--------------------------------------|----------------------|----------|----------|--|----------|-------------|------------|
| Project Number:   |                |             |                                      | Client Tracking No.: |          |          | Turn Around<br>Standard<br>Results Needed<br>am/pm |          |             |            |
| Project Name: <u>OMNITrox Wedron</u>  |                |             |                                      |                      |          |          |  |          | Quote No.:  |            |
| Project Location: <u>Wedron IL</u>  |                |             |                                      |                      |          |          |  |          |             |            |
| Sampler(s): <u>DOM</u>  |                |             |                                      |                      |          |          |  |          |             |            |
| Report To: <u>Chris Albrecht</u>  |                |             | Phone: <u>312-346-5000</u>           |                      |          |          |  |          |             |            |
|   |                |             | Fax: <u>312-346-5228</u>             |                      |          |          |  |          |             |            |
| QC Level: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> |                |             | e-mail: <u>Albrecht@COMSMITH.com</u> |                      |          |          |  |          |             |            |
| Client Sample Number/Description:   | Date Taken     | Time Taken  | Matrix                               | Comp                 | Grab     | Preserv. | No. of Containers                                  | Remarks  |             | Lab No.:   |
| <u>WS-7-1</u>   | <u>8/24/12</u> | <u>1300</u> | <u>S</u>                             |                      | <u>X</u> |          | <u>4</u>   | <u>X</u> | <u>HOLD</u> | <u>048</u> |
| <u>WS-7-2</u>   |                | <u>1305</u> |                                      |                      |          |          | <u>4</u>   |          | <u>HOLD</u> | <u>049</u> |
| <u>WS-7-3</u>   |                | <u>1310</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>050</u> |
| <u>WS-7-4</u>   |                | <u>1315</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>051</u> |
| <u>WS-8-1</u>   |                | <u>1345</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>052</u> |
| <u>WS-8-2</u>   |                | <u>1350</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>053</u> |
| <u>WS-8-3</u>   |                | <u>1355</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>054</u> |
| <u>MSMSD</u>  |                | <u>1358</u> |                                      |                      |          |          | <u>8</u>   |          |             | <u>053</u> |
| <u>WS-9-1</u>   |                | <u>1500</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>055</u> |
| <u>WS-9-2</u>   |                | <u>1505</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>056</u> |
| <u>WS-10-1</u>  |                | <u>1555</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>057</u> |
| <u>WS-11-1</u>  |                | <u>1620</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>058</u> |
| <u>WS-11-2</u>  |                | <u>1625</u> |                                      |                      |          |          | <u>4</u>   |          |             | <u>059</u> |
| <u>TRIP BLANK</u>   | <u>8/24/12</u> | <u>-</u>    | <u>W</u>                             |                      |          |          | <u>3</u>   | <u>X</u> |             | <u>060</u> |

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Illinois Railway, LLC (PCB No. 17-54) R. 079

Relinquished by: (Signature) [Signature] Date/Time: 8/24/12 8:00  
 Received by: (Signature) [Signature] Date/Time: 8/27/12 8:10  
 Relinquished by: (Signature) Date/Time:  
 Received by: (Signature) Date/Time:  
 Relinquished by: (Signature) Date/Time:  
 Received by: (Signature) Date/Time:

Comments:  
 Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = S035/EnCore G = Other

Laboratory Work Order No.:  
12080876  
 Received on Ice: Yes  No   
 Temperature: 5.2 °C

**STAT** Analysis Corporation

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

CS 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: \_\_\_\_\_  
\_\_\_\_\_





# CDM Smith 2013 DATA





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

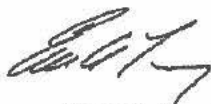
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

TestAmerica Job ID: 500-69043-1  
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:  
1/8/2014 5:02:42 PM

Eric Lang, Manager of Project Management  
(708)534-5200  
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Designee for

Bonnie Stadelmann, Senior Project Manager  
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### LINKS

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The  
Expert**

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[www.testamericainc.com](http://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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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.



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

TestAmerica Job ID: 500-69043-1

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**Job ID: 500-69043-1 (Continued)**

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**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.

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

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.



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

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



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



Electronic Filing: Received, Clerk's Office 7/27/2017  
 Illinois Railway, L.P. (PCB No. 17-54) R. 093  
 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                     | 6.1    | B         | 0.56  | 0.17   | mg/Kg | 1       | ☐ | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

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

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: 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-Dichloroethane     | <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-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-Dichloropropane, 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       |
| 1,1,2,2-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: 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: 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-Nitrosodl-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: 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-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  | 0.089  | 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      |
| 1,1,2,2-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: 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: 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: 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-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: 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: 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: 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-Dichloroethane         | <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     |

| S 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: 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: 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: 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-Dichloroethane       | <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 | 0.064 | 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: 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: 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: 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  | 0.00068  | 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       |

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 08:55 | 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-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: 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: 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-Trichloroethane      | <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: 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: 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-Nitrosod-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: 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: 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: 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       |



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: 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: 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       |
| Torphenyl-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: 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       |
| Trichloroethane            | <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       |

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-Dichloroethane     | <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    |
| 1,1,1-Dichloroethane       | <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: 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'-Dichlorobenzidina      | <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: 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: 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: 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: 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: 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 |
|--------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Aconaphthene       | <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: 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       |
| Isopharone                  | <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: 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: 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 | 0.00068 | 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-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       |
| 1,1,2,2-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: 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



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

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   |            |



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



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  |            |

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

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 |            |



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<br>(70-122)                                | DBFM<br>(75-120) | 12DCE<br>(70-134) | TOL<br>(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   | 82               | 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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(75-120) |
| 500-69043-2       | GP-01B-131219    | 101  | 91               | 166 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

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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(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<br>(25-119)                                | 2FP<br>(25-110) | NBZ<br>(25-115) | PHL<br>(31-110) | TPH<br>(36-134) | TBP<br>(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

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<br>(25-119)                                | 2FP<br>(25-110) | NBZ<br>(25-115) | PHL<br>(31-110) | TPH<br>(36-134) | TBP<br>(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



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  | Sample    | Spike  | MS     | MS        | Unit  | D | %Rec | %Rec.    |
|---------------------------|---------|-----------|--------|--------|-----------|-------|---|------|----------|
|                           | Result  | Qualifier | Added  | Result | Qualifier |       |   |      |          |
| Acetone                   | 0.028   |           | 0.0598 | 0.0736 |           | mg/Kg | ☐ | 78   | 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 |
| Bromoforn                 | <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        | MS        | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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 | Sample    | Spike  | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | RPD   |
|---------|--------|-----------|--------|--------|-----------|-------|---|------|----------|-------|
|         | Result | Qualifier | Added  | Result | Qualifier |       |   |      |          |       |
| Acetone | 0.028  |           | 0.0621 | 0.0473 | F1 F2     | mg/Kg | ☐ | 31   | 50 - 138 | 43 30 |

TestAmerica Chicago

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      | 0.0581     |               | 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-Dichloropropane | <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



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

Client Sample ID: GP-04A-131220

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218482

Prep Batch: 217834

| Analyte                   | Sample  | Sample    | Spike  | MS     | MS        | Unit  | D | %Rec | %Rec.    | Limits |
|---------------------------|---------|-----------|--------|--------|-----------|-------|---|------|----------|--------|
|                           | Result  | Qualifier | Added  | Result | Qualifier |       |   |      |          |        |
| 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        | MS        | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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

Client Sample ID: GP-04A-131220

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218482

Prep Batch: 217834

| Analyte              | Sample  | Sample    | Spike  | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | Limits | RPD | RPD | Limit |
|----------------------|---------|-----------|--------|--------|-----------|-------|---|------|----------|--------|-----|-----|-------|
|                      | Result  | Qualifier | Added  | Result | Qualifier |       |   |      |          |        |     |     |       |
| 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



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        |                  | 0.0477      | 0.0347     | F1            | mg/Kg | ☐ | 64   | 70 - 120     | 12  | 30        |
| trans-1,2-Dichloroethane  | <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

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

Client Sample ID: GP-08B-131219

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218455

Prep Batch: 218172

| Analyte                   | Sample | Sample    | Spike | MS     |           | Unit  | D | %Rec | %Rec.    |
|---------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
|                           | Result | Qualifier |       | Result | Qualifier |       |   |      |          |
| 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 | ☐ | 108  | 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

Client Sample ID: GP-08B-131219

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218455

Prep Batch: 218172

| Analyte              | Sample | Sample    | Spike | MSD    |           | Unit  | D | %Rec | %Rec.    | RPD |        |
|----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|--------|
|                      | Result | Qualifier |       | Result | Qualifier |       |   |      |          |     | Limits |
| 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



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 | Sample    | Spike | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | RPD | Limit |
|---------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
|                           | Result | Qualifier | Added | Result | Qualifier |       |   |      | Limits   |     |       |
| 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 MSD   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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      | MB        | RL     | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------|---------|-----------|--------|---------|-------|---|----------|----------------|---------|
|                      | Result  | Qualifier |        |         |       |   |          |                |         |
| 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



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-Dichloromethane-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

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 LCS |           | Unit  | D | %Rec | %Rec Limits |
|---------------------------|-------------|---------|-----------|-------|---|------|-------------|
|                           |             | Result  | Qualifier |       |   |      |             |
| 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 |   | 105  | 65 - 124    |
| Methyl Ethyl Ketone       | 0.0500      | 0.0807  |           | 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 LCS   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 122 |
| Dibromofluoromethane         | 99        |           | 75 - 120 |
| 1,2-Dichloroethene-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 MB    |           | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|----------|-----------|---------|----------|------|---|----------|----------------|---------|
|                      | Result   | Qualifier |         |          |      |   |          |                |         |
| 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



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



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

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  | 0.00015  | 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       |
| Trichloroethane            | <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 | 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



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     |

| Surrrogate                   | 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



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       |
| 1,1,1,2-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     |
| Bromoforn            | 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

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 - 125     |
| 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



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   |           | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|--------|-----------|-------|---|------|--------------|-----|-----------|
|                           |             | Result | Qualifier |       |   |      |              |     |           |
| Chloromethane             | 0.0500      | 0.0414 |           | mg/Kg |   | 83   | 50 - 130     | 20  | 30        |
| cis-1,2-Dichloroethane    | 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      |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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 MB   |           | RL     | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------|---------|-----------|--------|---------|-------|---|----------|----------------|---------|
|                      | Result  | Qualifier |        |         |       |   |          |                |         |
| Acetone              | <0.0050 |           | 0.0050 | 0.0013  | mg/Kg |   |          | 01/02/14 11:57 | 1       |
| Benzene              | <0.0025 |           | 0.0025 | 0.00074 | 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



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     |
| Bromoforn            | 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

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       | DII 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



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  | 0.00015 | 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  | 0.00068 | 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



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      | 0.0467     |               | 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

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                 | Spiked 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



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       | DII 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       | MB        | RL      | MDL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|----------|-----------|---------|----------|-------|---|----------|----------------|---------|
|                            | Result   | Qualifier |         |          |       |   |          |                |         |
| 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        | MB        | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 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    | LCS       | Unit  | D | %Rec | %Rec. Limits |
|-------------------------|-------------|--------|-----------|-------|---|------|--------------|
|                         |             | Result | Qualifier |       |   |      |              |
| 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

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      | 0.0485     |               | 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     |
| Tetrachloroethane         | 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



GC 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 MB  |           | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
|                              | Result | Qualifier |       |        |       |   |                |                |         |
| 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



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 | 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 |

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 | 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 LCS   |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| 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 | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | Limits   |
|--------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
|              | Result | Qualifier | Added | Result | Qualifier |       |   |      |          |
| Acanaphthene | <0.037 |           | 1.52  | 1.01   |           | mg/Kg | 0 | 66   | 53 - 110 |

TestAmerica Chicago



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

Client Sample ID: GP-04A-131220

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218873

Prep Batch: 218462

| Analyte                     | Sample | Sample    | Spike | MS     |           | Unk   | D | %Rec | %Rec.    |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
|                             | Result | Qualifier |       | Result | Qualifier |       |   |      |          |
| 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



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 | Sample    | Spike | MS MS  |           | Unit  | D | %Rec | %Rec. Limits |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|--------------|
|                              | Result | Qualifier | Added | Result | Qualifier |       |   |      |              |
| 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-Nitrosodl-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 MS     |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| 2-Fluorobiphenyl     | 63        |           | 25 - 119 |
| 2-Fluorophenol       | 69        |           | 25 - 110 |
| Nitrobenzene-d5      | 66        |           | 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 | Sample    | Spike | MSD MSD |           | Unit  | D | %Rec | %Rec. Limits | RPD |       |
|-----------------------------|--------|-----------|-------|---------|-----------|-------|---|------|--------------|-----|-------|
|                             | Result | Qualifier | Added | Result  | Qualifier |       |   |      |              | 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

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

Client Sample ID: GP-04A-131220

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 218873

Prep Batch: 218462

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | Rec. Limits | 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



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 MB  |           | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
|                             | Result | Qualifier |       |        |       |   |                |                |         |
| 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



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

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

TestAmerica Job ID: 500-69043-1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

| Lab Sample ID: LCS 500-218463/2-A | Client Sample ID: Lab Control Sample |            |               |       |   |      |              |
|-----------------------------------|--------------------------------------|------------|---------------|-------|---|------|--------------|
| Matrix: Solid                     | Prep Type: Total/NA                  |            |               |       |   |      |              |
| Analysis Batch: 218566            | Prep Batch: 218463                   |            |               |       |   |      |              |
| Analyte                           | Spike Added                          | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
| Benzofluoranthene                 | 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-Nitrosodl-n-propylamine         | 1.33                                 | 1.18       |               | mg/Kg |   | 89   | 40 - 121     |

TestAmerica Chicago



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



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 | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | %Rec.<br>Limits |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-----------------|
|                              | Result | Qualifier | Added | Result | Qualifier |       |   |      |                 |
| 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        |
| Isophorane                   | <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 MS     |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| 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 |

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 | Sample    | Spike | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | RPD | Limit |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
|                             | Result | Qualifier | Added | Result | Qualifier |       |   |      |          |     |       |
| 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    |



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 | Sample    | Spike | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | Limits | RPD | Limit |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|-----|-------|
|                              | Result | Qualifier | Added | Result | Qualifier |       |   |      |          |        |     |       |
| 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     | MB        | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|         | Result | Qualifier |      |      |       |   |                |                |         |
| 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    | LCS       | Unit  | D | %Rec | %Rec.    | Limits |
|---------|-------------|--------|-----------|-------|---|------|----------|--------|
|         |             | Result | Qualifier |       |   |      |          |        |
| 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 | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | %Rec.    | Limits |
|---------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|
|         | Result | Qualifier | Added | Result | Qualifier |       |   |      |          |        |
| Lead    | 2.6    | B         | 9.52  | 7.85   | F1        | mg/Kg | ☐ | 55   | 75 - 125 |        |

TestAmerica Chicago



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 |               |                  |             |            |               |       | Client Sample ID: GP-06A-131219 |      |              |     |       |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---------------------------------|------|--------------|-----|-------|
| Matrix: Solid                   |               |                  |             |            |               |       | Prep Type: Total/NA             |      |              |     |       |
| Analysis Batch: 218474          |               |                  |             |            |               |       | Prep Batch: 218329              |      |              |     |       |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D                               | %Rec | %Rec. Limits | 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 |               |                  |           |              |       |   | Client Sample ID: GP-06A-131219 |       |  |  |  |
|--------------------------------|---------------|------------------|-----------|--------------|-------|---|---------------------------------|-------|--|--|--|
| Matrix: Solid                  |               |                  |           |              |       |   | Prep Type: Total/NA             |       |  |  |  |
| Analysis Batch: 218474         |               |                  |           |              |       |   | Prep Batch: 218329              |       |  |  |  |
| Analyte                        | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit  | D | RPD                             | Limit |  |  |  |
| Lead                           | 2.6           | B                | 2.78      |              | mg/Kg | ☐ | 5                               | 20    |  |  |  |

| Lab Sample ID: MB 500-218336/1-A |           |              |      |      |       |   | Client Sample ID: Method Blank |                |         |  |  |
|----------------------------------|-----------|--------------|------|------|-------|---|--------------------------------|----------------|---------|--|--|
| Matrix: Solid                    |           |              |      |      |       |   | Prep Type: Total/NA            |                |         |  |  |
| Analysis Batch: 218473           |           |              |      |      |       |   | 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 |             |            |               |       |   |      | Client Sample ID: Lab Control Sample |  |  |  |  |
|-----------------------------------|-------------|------------|---------------|-------|---|------|--------------------------------------|--|--|--|--|
| Matrix: Solid                     |             |            |               |       |   |      | Prep Type: Total/NA                  |  |  |  |  |
| Analysis Batch: 218473            |             |            |               |       |   |      | 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 |               |                  |             |           |              |       | Client Sample ID: GP-04A-131220 |      |              |  |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---------------------------------|------|--------------|--|--|
| Matrix: Solid                  |               |                  |             |           |              |       | Prep Type: Total/NA             |      |              |  |  |
| Analysis Batch: 218473         |               |                  |             |           |              |       | Prep Batch: 218336              |      |              |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D                               | %Rec | %Rec. Limits |  |  |
| Lead                           | 7.9           | B                | 9.63        | 14.2      | F1           | mg/Kg | ☐                               | 65   | 75 - 125     |  |  |

| Lab Sample ID: 500-69043-26 MSD |               |                  |             |            |               |       | Client Sample ID: GP-04A-131220 |      |              |     |       |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---------------------------------|------|--------------|-----|-------|
| Matrix: Solid                   |               |                  |             |            |               |       | Prep Type: Total/NA             |      |              |     |       |
| Analysis Batch: 218473          |               |                  |             |            |               |       | Prep Batch: 218336              |      |              |     |       |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D                               | %Rec | %Rec. Limits | 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 |               |                  |           |              |       |   | Client Sample ID: GP-04A-131220 |       |  |  |  |
|--------------------------------|---------------|------------------|-----------|--------------|-------|---|---------------------------------|-------|--|--|--|
| Matrix: Solid                  |               |                  |           |              |       |   | Prep Type: Total/NA             |       |  |  |  |
| Analysis Batch: 218473         |               |                  |           |              |       |   | Prep Batch: 218336              |       |  |  |  |
| Analyte                        | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit  | D | RPD                             | Limit |  |  |  |
| Lead                           | 7.9           | B                | 7.85      |              | mg/Kg | ☐ | 0.6                             | 20    |  |  |  |

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

| 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**

**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

| 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**

**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

| 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**

**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         |     |                 | 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



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



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

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 |



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



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 |

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



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 |



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 60184, TEL (708)534-5200



500-69043 COC

Report to: Chris Abbrecht  
 Contact: Chris Abbrecht  
 Company: CDM Smith  
 Address: 125 S. Wacker Dr  
 Address: Ste 600  
 Phone: 312-346-5000  
 Fax:  
 E-Mail: albrecht.ca@cdm.com

Bill To:  
 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 | Parameter         |        | 7    |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|----------|------------------|----------|--------------|-------------------|--------|------|-------|------------|--|--|--|--|--|--|--|--|--|--|--|--|
| CDM Smith              |          | 101127           |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name           |          | Lab Project #    |          | VOCs         | SVOCs, Total Lead |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Wedron                 |          |                  |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location/State |          | Lab PM           |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Wedron, IL             |          |                  |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler                |          |                  |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| C. Cox                 |          |                  |          |              |                   |        |      |       |            |  |  |  |  |  |  |  |  |  |  |  |  |
| Lab ID                 | INST/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
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)  
 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days  10 Days \_\_\_ 15 Days \_\_\_ Other \_\_\_  
 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>[Signature]</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>[Signature]</u> | Company: <u>TA-EHT</u> | Date: <u>12/20/13</u> | Time: <u>1715</u> |

Lab Courier: TA  
 Shipped:   
 Hand Delivered:   
 Illinois Railway, LLC (PGB No. 17-54) R-190

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - Wt - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments:  
 Lab Comments:

Electronic Filing: Received, Clerk's Office 7/27/2017  
Certification Summary

Client: CDM Smith, Inc.

TestAmerica Job ID: 500-69043-1

Project/Site: 3450 E 2056th Wedron IL

**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 TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Electronic Filing: Received, Clerk's Office 7/27/2017

Report To: Chris Albrecht  
 Contact: Chris Albrecht  
 Company: CDM Smith  
 Address: 125 S. Wacker Dr  
 Address: Ste 600  
 Phone: 312-346-5000  
 Fax: \_\_\_\_\_  
 E-Mail: albrechtca@cdm.com

## Chain of Custody Record

Lab Job #: 500-69043  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 2  
 Temperature °C of Cooler: 26/29

Illinois Railway, LLC (PCB No. 17-54) R. 192

Client: CDM Smith  
 Project Name: Weldon  
 Project Location/State: Weldon, IL  
 Sampler: C. Cox

Client Project #: 101127  
 Lab Project #: \_\_\_\_\_  
 Lab PIA: \_\_\_\_\_

| Lab ID | MS/MSD | Sample ID          | Sampling |      | # of Containers | Matrix | Preservative |   |  | Comments   |
|--------|--------|--------------------|----------|------|-----------------|--------|--------------|---|--|--|
|        |        |                    | Date     | Time |                 |        | 7            | 7 |  |  |
| 11     | X      | GP-06A-131219      | 12/19/13 | 1445 | 15              | S      | X            | X |  |  |
| 12     |        | GP-06B-131219      | 1        | 1450 | 5               | S      | X            | X |  |  |
| 13     |        | GP-06B-131219D     | 1        | 1455 | 5               | S      | X            | X |  |  |
| 14     |        | Trip blank 12/9/13 | 12/19/13 | -    | 2               | W      | X            | X |  | Trip blank prepared by CDM prior to sampling of site |

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days):  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 6 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)

|   |   |
|---|---|
| Requested By: <u>Catherine Cox</u> Company: <u>CDM Smith</u> Date: <u>12/20/13</u> Time: <u>15:30</u> | Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>12/20/13</u> Time: <u>15:30</u>     |
| Requested By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>12/20/13</u> Time: <u>17:15</u>          | Received By: <u>[Signature]</u> Company: <u>TA-CHT</u> Date: <u>12/20/13</u> Time: <u>17:15</u> |

Lab Courier: TA  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soils
  - 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: \_\_\_\_\_









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 <math>\leq</math> 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 <math><6\text{mm}</math> (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





# 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: 500-74118-1  
Client Project/Site: 3450 E 2056th Wedron IL

For:  
CDM Smith, Inc.  
125 South Wacker Drive  
Suite 600  
Chicago, Illinois 60606

Attn: Chris Albrecht

*Bonnie Stadelmann*

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](http://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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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 229335 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.



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

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.

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



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: 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 | 0.00081 | 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: 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: 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: 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: 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  | 0.066  | 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: 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: 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       |
| 1,1,2-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: 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       |



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       |
| Torphenyl-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: 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 |
|----------------------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Acelone                    | <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: 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  | 0.18   | 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: 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-Nitrosodipropylamine       | <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: 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-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-Dichloropropane, 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 |
|--------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Aconaphthene       | <0.037 |           | 0.037 | 0.0067 | mg/Kg | □ | 03/31/14 07:21 | 04/01/14 19:27 | 1       |
| Aconaphthylene     | <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: 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)methano  | <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 benzyi 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       |
| Isophorane                  | <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       |



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: 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: 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



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  |            |

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 |            |

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<br>(70-122)                                | DBFM<br>(75-120) | 12DCE<br>(70-134) | TOL<br>(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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(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)



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<br>(25-119)                                | 2FP<br>(25-110) | NBZ<br>(25-115) | PHL<br>(31-110) | TPH<br>(36-134) | TBP<br>(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

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       |
| Bromoforn                  | <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 | 0.00089 | 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       |

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



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 - 125     | 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-Dichloroethane    | 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      | 0.0482      |                | 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 | LCSD 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

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 | 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



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  | Sample    | Spike  | MSD    | MSD       | Unit  | D | %Rec | %Rec.    | Limits | RPD | Limit |
|---------------------------|---------|-----------|--------|--------|-----------|-------|---|------|----------|--------|-----|-------|
|                           | Result  | Qualifier | Added  | Result | Qualifier |       |   |      |          |        |     |       |
| 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       | MSD       | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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       | MB        | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|----------|-----------|---------|----------|------|---|----------|----------------|---------|
|                      | Result   | Qualifier |         |          |      |   |          |                |         |
| 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



Client: GDM 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 LCS   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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 MB    |           | RL      | MDL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------|----------|-----------|---------|----------|-------|---|----------|----------------|---------|
|                      | Result   | Qualifier |         |          |       |   |          |                |         |
| 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



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       | MB        | RL      | MDL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|----------|-----------|---------|----------|-------|---|----------|----------------|---------|
|                            | Result   | Qualifier |         |          |       |   |          |                |         |
| 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       |
| 1,1,1,2-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        | MB        | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 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    |           | Unit  | D | %Rec | %Rec. Limits |
|----------------------|-------------|--------|-----------|-------|---|------|--------------|
|                      |             | Result | Qualifier |       |   |      |              |
| 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



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-Dichloroethane    | 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

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



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 Qualiflor | 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 Qualiflor | 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     |



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-Nitrosodl-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 LCS   |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 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<br>%Recovery | LCS<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %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 |

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 | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | %Rec.<br>Limits |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-----------------|
|                              | Result | Qualifier | Added | Result | Qualifier |       |   |      |                 |
| 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 MS     |           | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| 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 | Sample    | Spike | MSD    | MSD       | Unit  | D | %Rec | %Rec.<br>Limits | RPD |       |
|----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-----------------|-----|-------|
|                            | Result | Qualifier | Added | Result | Qualifier |       |   |      |                 | 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



Client: CDM Smith, Inc.  
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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        |

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 |               | Client Sample ID: GP-15A-140327 |               |            |               |       |   |      |              |     |           |  |
|--------------------------------|---------------|---------------------------------|---------------|------------|---------------|-------|---|------|--------------|-----|-----------|--|
| Matrix: Solid                  |               | Prep Type: Total/NA             |               |            |               |       |   |      |              |     |           |  |
| Analysis Batch: 229708         |               | 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 |           | Client Sample ID: Method Blank |      |      |       |   |                |                |         |  |  |  |
|----------------------------------|-----------|--------------------------------|------|------|-------|---|----------------|----------------|---------|--|--|--|
| Matrix: Solid                    |           | Prep Type: Total/NA            |      |      |       |   |                |                |         |  |  |  |
| Analysis Batch: 229692           |           | 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 |             | Client Sample ID: Lab Control Sample |               |       |   |      |              |  |  |  |  |  |
|-----------------------------------|-------------|--------------------------------------|---------------|-------|---|------|--------------|--|--|--|--|--|
| Matrix: Solid                     |             | Prep Type: Total/NA                  |               |       |   |      |              |  |  |  |  |  |
| Analysis Batch: 229692            |             | 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 |               | Client Sample ID: GP-15A-140327 |             |           |              |       |   |      |              |  |  |  |
|-------------------------------|---------------|---------------------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|--|
| Matrix: Solid                 |               | Prep Type: Total/NA             |             |           |              |       |   |      |              |  |  |  |
| Analysis Batch: 229692        |               | 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 |               | Client Sample ID: GP-15A-140327 |             |            |               |       |   |      |              |     |           |  |
|--------------------------------|---------------|---------------------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|--|
| Matrix: Solid                  |               | Prep Type: Total/NA             |             |            |               |       |   |      |              |     |           |  |
| Analysis Batch: 229692         |               | 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

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 | Sample    | DU     | DU        | Unit  | D | RPD | Limit |
|---------|--------|-----------|--------|-----------|-------|---|-----|-------|
|         | Result | Qualifier | Result | Qualifier |       |   |     |       |
| Lead    | 11     |           | 10.3   |           | mg/Kg | □ | 9   | 20    |



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

| 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**

**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

| 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**

**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

| 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**

**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       | 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

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

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



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-Dichloropropane, Total |
| 8260B           |             | Water  | 1,3-Dichloropropane, Total |
| 8260B           | 5035        | Solid  | 1,3-Dichloropropane, Total |
| Moisture        |             | Solid  | Percent Moisture           |
| Moisture        |             | Solid  | Percent Solids             |

\* Expired certification is currently pending renewal and is considered valid.

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604  
Phone: 708.534.5200 Fax: 708.534.1



500-74118 CCG

Electronic Filing: Received, Clerk's Office 7/27/2017

Contact: Chris Albrecht  
Company: CDM Smith  
Address: 125 S. Walker Dr  
Address: STE 600  
Phone: 312-346-5000  
Fax:  
E-Mail: Albrechtca@CDM.com

Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
POB/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-74118  
Chain of Custody Number: \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_  
Temperature °C of Cooler: 2.9

Illinois Railway, LLC (PCB No. 17-54) R. 247

| Lab ID | MS/MSD | Sample ID                       | Sampling |      | # of Containers | Matrix | Preservative | Parameter | 1 | 67 | 8,7 | 8,7 | Comments |  |
|--------|--------|---------------------------------|----------|------|-----------------|--------|--------------|-----------|---|----|-----|-----|----------|--|
|        |        |                                 | Date     | Time |                 |        |              |           |   |    |     |     |          |  |
| 1      |        | GP-12A-140327                   | 03/27/14 | 0840 | 5               | SO     |              |           |   |    |     |     |          |  |
| 2      |        | GP-12B-140327                   | 03/27/14 | 0855 |                 |        |              |           |   |    |     |     |          |  |
| 3      |        | GP-12A-140328                   | 03/28/14 | 1110 |                 |        |              |           |   |    |     |     |          |  |
| 4      |        | GP-13B-140328                   | 03/28/14 | 1120 |                 |        |              |           |   |    |     |     |          |  |
| 5      |        | <del>GP-13A</del> GP-BA-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     |        | TUP 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): 10 Days  
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><br>Company: <u>CDM Smith</u><br>Date: <u>03/28/14</u><br>Time: <u>1534</u> | Received By: <u>[Signature]</u><br>Company: <u>TA</u><br>Date: <u>3/28</u><br>Time: <u>1534</u>    |
| Relinquished By: <u>[Signature]</u><br>Company: <u>TA</u><br>Date: <u>3/28</u><br>Time: <u>1700</u>               | Received By: <u>[Signature]</u><br>Company: <u>TA</u><br>Date: <u>3/29/14</u><br>Time: <u>0600</u> |

Lab Counter: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - CL - Oil
  - A - Air
  - SE - Sediment
  - SD - 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](http://www.testamericainc.com)

Reference: [177104]  
Attachments: 2

3/31/2014



**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 <= 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 <6mm (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





# 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: 500-74912-1  
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

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The  
Expert**

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*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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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.



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  |           | 0.0050 | 0.0013  | mg/L |         | 1 | 8260B  | Total/NA  |
| Toluene             | 0.00032 | J         | 0.0050 | 0.0011  | mg/L |         | 1 | 8260B  | Total/NA  |
| Xylenes, Total      | 0.022   |           | 0.0010 | 0.00068 | mg/L |         | 1 | 8260B  | Total/NA  |
| 2-Methylnaphthalene | 0.00088 |           | 0.0040 | 0.00067 | mg/L |         | 1 | 8270D  | Total/NA  |
| Naphthalene         | 0.0018  |           | 0.0080 | 0.0012  | 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         | 0.0050 | 0.0013  | mg/L |         | 1 | 8260B  | Total/NA  |
| Xylenes, Total     | 0.0013  |           | 0.0010 | 0.00068 | 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 |           | 0.0050  | 0.00074 | mg/L |         | 1 | 8260B  | Total/NA  |
| Carbon disulfide            | 0.0010 | J         | 0.0050  | 0.00043 | mg/L |         | 1 | 8260B  | Total/NA  |
| Ethylbenzene                | 0.041  |           | 0.0050  | 0.0013  | mg/L |         | 1 | 8260B  | Total/NA  |
| Methyl Ethyl Ketone         | 0.025  |           | 0.0050  | 0.0015  | mg/L |         | 1 | 8260B  | Total/NA  |
| Toluene                     | 0.061  |           | 0.0050  | 0.0011  | mg/L |         | 1 | 8260B  | Total/NA  |
| Xylenes, Total - DL         | 0.33   |           | 0.0020  | 0.0014  | 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 | 0.00066 | mg/L |         | 1 | 8270D  | Total/NA  |
| 3 & 4 Methylphenol          | 0.0011 | J         | 0.0016  | 0.0018  | mg/L |         | 1 | 8270D  | Total/NA  |
| Naphthalene                 | 0.016  |           | 0.00078 | 0.0012  | 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 | 0.00071 | 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

Electronic Filing: Received, Clerk's Office 7/27/2017  
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**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

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



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: 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: 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: 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: 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: 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[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 09:58 | 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  | 0.00020  | mg/L |   | 04/11/14 09:56 | 04/16/14 18:16 | 1       |

TestAmerica Chicago



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-Nitrosodl-n-propylamine    | <0.00039 |           | 0.00039 | 0.00019 | mg/L |   | 04/11/14 09:56 | 04/16/14 18:16 | 1       |
| N-Nitrosodlphenylamine       | <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: 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       |
| <b>Benzene</b>             | <b>0.027</b> |           | 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       |
| <b>Toluene</b>             | <b>0.049</b> |           | 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: 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)

| Surragate         | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | DII 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       | DII 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   | J         | 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                    | 0.0084   | J         | 0.0084  | 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: 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-Dichloroethane         | <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: 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       |
| Isophorane                  | <0.0017  |           | 0.0017  | 0.00015  | mg/L |   | 04/11/14 09:56 | 04/16/14 19:03 | 1       |
| 2-Methylnaphthalene         | 0.0059   |           | 0.0042  | 0.00070  | 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    |           | 0.0083  | 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: 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: 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       |
| Trichloroethane            | <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       |

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

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     |



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<br>(75-120)                                | DBFM<br>(75-120) | 12DCE<br>(75-125) | TOL<br>(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**

- FBF = 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<br>(41-132)                                | 2FP<br>(32-110) | NBZ<br>(47-134) | PHL<br>(25-100) | TPH<br>(59-150) | TBP<br>(53-150) |
| 500-74912-1        | GW-MW12-140409     | 73   | 71              | 74              | 51              | 97              | 84              |
| 500-74912-2        | GW-MW13-140409     | 78   | 64              | 76              | 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**

- FBF = 2-Fluorobiphenyl
- 2FP = 2-Fluorophenol
- NBZ = Nitrobenzene-d5
- PHL = Phenol-d5
- TPH = Terphenyl-d14
- TBP = 2,4,6-Tribromophenol

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       | MB        | RL      | MDL      | Unit | D | Prepared | Analyzed       | DII Fac |
|----------------------------|----------|-----------|---------|----------|------|---|----------|----------------|---------|
|                            | Result   | Qualifier |         |          |      |   |          |                |         |
| 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        | MB        | Limits   | Prepared | Analyzed       | DII Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 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       |

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    |           | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|--------|-----------|------|---|------|--------------|
|                           |             | Result | Qualifier |      |   |      |              |
| 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-Dichloroethane        | 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       |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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     |           | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|--------|-----------|------|---|------|--------------|
|         |               |                  |             | Result | Qualifier |      |   |      |              |
| Acetone | 0.0077        |                  | 0.0500      | 0.0533 |           | mg/L |   | 91   | 48 - 149     |

TestAmerica Chicago



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 | %Rec.    |
|---------------------------|----------|-----------|--------|--------|-----------|------|---|------|----------|
|                           | Result   | Qualifier | Added  | Result | Qualifier |      |   |      |          |
| 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 |

| Surrogate                    | MS        | MS        | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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   | Sample    | Spike  | MSD    | MSD       | Unit | D | %Rec | %Rec.    | RPD | RPD | Limit |
|---------|----------|-----------|--------|--------|-----------|------|---|------|----------|-----|-----|-------|
|         | Result   | Qualifier | Added  | Result | Qualifier |      |   |      |          |     |     |       |
| 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

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



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



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 LCS |           | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|---------|-----------|------|---|------|--------------|
|                           |             | Result  | Qualifier |      |   |      |              |
| 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 LCS   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 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 MB    |           | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|----------|------|---|----------------|----------------|---------|
|                | Result   | Qualifier |         |          |      |   |                |                |         |
| 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

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



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



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   | 68 - 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      | 0.0289     |               | 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 |

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<br>%Recovery | LCS<br>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   | Sample    | Spike  | MS     | MS        | Unit | D | %Rec | %Rec.<br>Limits |
|-----------------------------|----------|-----------|--------|--------|-----------|------|---|------|-----------------|
|                             | Result   | Qualifier |        | Result | Qualifier |      |   |      |                 |
| 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   | 68 - 116        |
| Benzo[b]fluoranthene        | <0.00017 |           | 0.0327 | 0.0343 |           | mg/L |   | 105  | 68 - 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



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

Client Sample ID: GW-MW13-140409

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 231815

Prep Batch: 231145

| Analyte                      | Sample   | Sample    | Spike  | MS     | MS        | Unit | D | %Rec | %Rec.    |
|------------------------------|----------|-----------|--------|--------|-----------|------|---|------|----------|
|                              | Result   | Qualifier | Added  | Result | Qualifier |      |   |      |          |
| 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 |
| Isopharone                   | <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        | MS        | Limits   |
|----------------------|-----------|-----------|----------|
|                      | %Recovery | Qualifier |          |
| 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

Client Sample ID: GW-MW13-140409

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 231815

Prep Batch: 231145

| Analyte              | Sample   | Sample    | Spike  | MSD    | MSD       | Unit | D | %Rec | %Rec.    | RPD |    |
|----------------------|----------|-----------|--------|--------|-----------|------|---|------|----------|-----|----|
|                      | Result   | Qualifier | Added  | Result | Qualifier |      |   |      |          |     |    |
| 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



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   | Sample    | Spike  | MSD    | MSD       | Unit | D | %Rec | %Rec.    | RPD | Limit |
|-----------------------------|----------|-----------|--------|--------|-----------|------|---|------|----------|-----|-------|
|                             | Result   | Qualifier | Added  | Result | Qualifier |      |   |      | Limits   |     |       |
| 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 |   | 96   | 50 - 117 | 8   | 20    |

TestAmerica Chicago

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 | 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       | DII 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 | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Lead    | 0.020         |                  | 0.100       | 0.124      |               | mg/L |   | 104  | 75 - 125     | 8   | 20    |

TestAmerica Chicago

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 |           | DU     |           | Unit | D | RPD |       |
|---------|--------|-----------|--------|-----------|------|---|-----|-------|
|         | Result | Qualifier | Result | Qualifier |      |   | RPD | Limit |
| Lead    | 0.020  |           | 0.0242 |           | mg/L |   | 20  | 20    |



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  
 Date Received: 04/10/14 11:35

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**

**Lab Sample ID: 500-74912-2**

Date Collected: 04/09/14 13:50  
 Date Received: 04/10/14 11:35

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**

**Lab Sample ID: 500-74912-3**

Date Collected: 04/09/14 12:00  
 Date Received: 04/10/14 11:35

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**

**Lab Sample ID: 500-74912-4**

Date Collected: 04/09/14 09:20  
 Date Received: 04/10/14 11:35

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 |

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

Client: CDM Smith, Inc.

TestAmerica Job ID: 500-74912-1

Project/Site: 3450 E 2056th Wedron IL

**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 T

2417 Bond Street, University Park, IL 60414  
Phone: 708.534.5200 Fax: 708.534.9



500-74912 COC

Electronic Filing: Received, Clerk's Office 7/27/2017

Report To: Chris Albrecht  
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: SAWY  
Contact: SAWY  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
POI/Referenced: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-74912

Chain of Custody Number: \_\_\_\_\_

Page 1 of 1

Temperature °C of Cooler: 42

Illinois Railway L.C. (PCBA) No. 17-54) R. 291

| Sample ID | MS/MSD | Date   | Time | # of Containers | Matrix | Preservative |   |   | Comments             |
|-----------|--------|--------|------|-----------------|--------|--------------|---|---|----------------------|
|           |        |        |      |                 |        | 1            | 7 | 3 |                      |
| 1         | W      | 4/9/14 | 1055 | 6               | W      | X            | X | X | VERLEY INS/MSD (WAP) |
| 2         | X      |        | 1350 | 6               | W      | X            | X | X |                      |
| 3         |        |        | 1200 | 6               | W      | X            | X | X |                      |
| 4         |        |        | 0920 | 6               | W      | X            | X | X |                      |
| 5         |        |        | 1200 | 6               | W      | X            | X | X |                      |
| 6         |        |        |      | 2               | W      | X            |   |   |                      |
| 7         |        | 1000   |      | 6               | W      | X            | X | X |                      |

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH2N, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

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: <u>Chris Albrecht</u><br>Company: <u>CDM Smith</u><br>Date: <u>4/10/14</u><br>Time: <u>905</u> | Received By: <u>[Signature]</u><br>Company: <u>TA-CPE</u><br>Date: <u>4/10/14</u><br>Time: <u>0905</u> |
| Relinquished By: <u>[Signature]</u><br>Company: <u>[Signature]</u><br>Date: <u>4/10/14</u><br>Time: <u>1135</u> | Received By: <u>[Signature]</u><br>Company: <u>TA-CPE</u><br>Date: <u>4/10/14</u><br>Time: <u>1135</u> |

Lab Courier: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OZ - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - 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 <=/ 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 <6mm (1/4").  | True   |         |
| Multiphasic samples are not present.   | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.   | N/A    |         |





## CDM Smith Soil Data (2016)



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

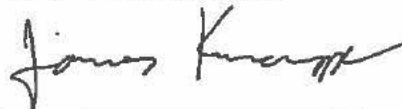
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

TestAmerica Job ID: 500-113606-1  
Client Project/Site: Illinois Railway (101127)

For:  
CDM Smith, Inc.  
125 South Wacker Drive  
Suite 600  
Chicago, Illinois 60606

Attn: Chris Albrecht



Authorized for release by:  
7/8/2016 5:11:20 PM

Jim Knapp, Project Manager II  
(630)758-0262  
jim.knapp@testamericainc.com

### LINKS

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results through

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Expert**

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[www.testamericainc.com](http://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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Client: CDM Smith, Inc.  
Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Job ID: 500-113606-1**

**Laboratory: TestAmerica Chicago**

**Narrative**

**Job Narrative**  
**500-113606-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/27/2016 4:22 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

**GC/MS VOA**

Method(s) 8260B: The following samples were diluted due to the abundance of target and/or non-target analytes: SB-22-0203 (500-113606-1), SB-22-1011 (500-113606-3), SB-22-1314 (500-113606-4), SB-22-1718 (500-113606-5), SB-22-2223 (500-113606-6), SB-23-0203 (500-113606-7), SB-23-1112 (500-113606-9) and SB-23-1415 (500-113606-10). 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**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**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: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

Client Sample ID: SB-22-0203

Lab Sample ID: 500-113606-1

| Analyte              | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzene              | 0.47   |           | 0.013 | 0.0078 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Ethylbenzene         | 9.0    |           | 0.013 | 0.0098 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Toluene              | 0.19   |           | 0.013 | 0.0079 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Xylenes, Total - DL  | 34     |           | 0.27  | 0.12   | mg/Kg | 500     | ☐ | 8260B  | Total/NA  |
| Benzo[a]anthracene   | 0.0099 | J         | 0.039 | 0.0053 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene | 0.012  | J         | 0.039 | 0.0085 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Chrysene             | 0.012  | J         | 0.039 | 0.011  | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Fluoranthene         | 0.0097 | J         | 0.039 | 0.0073 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Naphthalene          | 0.48   |           | 0.039 | 0.0061 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Phenanthrene         | 0.016  | J         | 0.039 | 0.0055 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Pyrene               | 0.0082 | J         | 0.039 | 0.0079 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |

Client Sample ID: SB-22-0607

Lab Sample ID: 500-113606-2

No Detections.

Client Sample ID: SB-22-1011

Lab Sample ID: 500-113606-3

| Analyte      | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Fluorene     | 0.0083 | J         | 0.039 | 0.0055 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |
| Phenanthrene | 0.015  | J         | 0.039 | 0.0055 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |

Client Sample ID: SB-22-1314

Lab Sample ID: 500-113606-4

| Analyte        | Result | Qualifier | RL    | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| Xylenes, Total | 0.031  |           | 0.030 | 0.013 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |

Client Sample ID: SB-22-1718

Lab Sample ID: 500-113606-5

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Ethylbenzene   | 0.021  |           | 0.013 | 0.0092 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Toluene        | 0.029  |           | 0.013 | 0.0074 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Xylenes, Total | 0.70   |           | 0.025 | 0.011  | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Naphthalene    | 0.025  | J         | 0.038 | 0.0059 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |

Client Sample ID: SB-22-2223

Lab Sample ID: 500-113606-6

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzene        | 0.30   |           | 0.014 | 0.0083 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Ethylbenzene   | 9.7    |           | 0.014 | 0.010  | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Toluene        | 0.12   |           | 0.014 | 0.0083 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Xylenes, Total | 0.32   |           | 0.028 | 0.012  | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Pyrene         | 0.0092 | J         | 0.041 | 0.0081 | mg/Kg | 1       | ☐ | 8270D  | Total/NA  |

Client Sample ID: SB-23-0203

Lab Sample ID: 500-113606-7

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzene        | 0.52   |           | 0.014 | 0.0082 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Ethylbenzene   | 1.3    |           | 0.014 | 0.010  | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Toluene        | 0.14   |           | 0.014 | 0.0082 | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |
| Xylenes, Total | 4.8    |           | 0.028 | 0.012  | mg/Kg | 50      | ☐ | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-0203 (Continued)**

**Lab Sample ID: 500-113606-7**

| Analyte            | Result | Qualifier | RL    | MDL    | Unit  | Dil | Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-------|--------|-------|-----|-----|---|--------|-----------|
| Benzo[a]anthracene | 0.0057 | J         | 0.038 | 0.0052 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |
| Fluoranthene       | 0.0094 | J         | 0.038 | 0.0071 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |
| Naphthalene        | 0.081  |           | 0.038 | 0.0059 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |
| Phenanthrene       | 0.014  | J         | 0.038 | 0.0053 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |
| Pyrene             | 0.0079 | J         | 0.038 | 0.0076 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |

**Client Sample ID: SB-23-0708**

**Lab Sample ID: 500-113606-8**

No Detections.

**Client Sample ID: SB-23-1112**

**Lab Sample ID: 500-113606-9**

| Analyte      | Result | Qualifier | RL    | MDL    | Unit  | Dil | Fac | D | Method | Prep Type |
|--------------|--------|-----------|-------|--------|-------|-----|-----|---|--------|-----------|
| Fluorene     | 0.0093 | J         | 0.041 | 0.0057 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |
| Phenanthrene | 0.018  | J         | 0.041 | 0.0057 | mg/Kg | 1   |     |   | 8270D  | Total/NA  |

**Client Sample ID: SB-23-1415**

**Lab Sample ID: 500-113606-10**

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | Dil  | Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|--------|-------|------|-----|---|--------|-----------|
| Xylenes, Total | 3.4    |           | 0.55  | 0.24   | mg/Kg | 1000 |     |   | 8260B  | Total/NA  |
| Naphthalene    | 0.24   |           | 0.040 | 0.0061 | mg/Kg | 1    |     |   | 8270D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Client: CDM Smith, Inc.  
Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

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| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B    | Volatile Organic Compounds (GC/MS) | SW846    | TAL CHI    |
| 8270D    | Semivolatile Priority Pollutants   | SW846    | TAL CHI    |
| Moisture | Percent Moisture                   | EPA      | TAL CHI    |

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**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

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Client: CDM Smith, Inc.  
Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-113606-1  | SB-22-0203       | Solid  | 06/27/16 09:45 | 06/27/16 16:22 |
| 500-113606-2  | SB-22-0607       | Solid  | 06/27/16 09:50 | 06/27/16 16:22 |
| 500-113606-3  | SB-22-1011       | Solid  | 06/27/16 09:55 | 06/27/16 16:22 |
| 500-113606-4  | SB-22-1314       | Solid  | 06/27/16 10:00 | 06/27/16 16:22 |
| 500-113606-5  | SB-22-1718       | Solid  | 06/27/16 10:15 | 06/27/16 16:22 |
| 500-113606-6  | SB-22-2223       | Solid  | 06/27/16 10:30 | 06/27/16 16:22 |
| 500-113606-7  | SB-23-0203       | Solid  | 06/27/16 12:40 | 06/27/16 16:22 |
| 500-113606-8  | SB-23-0708       | Solid  | 06/27/16 12:45 | 06/27/16 16:22 |
| 500-113606-9  | SB-23-1112       | Solid  | 06/27/16 12:50 | 06/27/16 16:22 |
| 500-113606-10 | SB-23-1415       | Solid  | 06/27/16 12:55 | 06/27/16 16:22 |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-0203**

**Lab Sample ID: 500-113606-1**

Date Collected: 06/27/16 09:45

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte                      | Result    | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| Benzene                      | 0.47      |           | 0.013    | 0.0078 | mg/Kg | ☐ | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| Ethylbenzene                 | 9.0       |           | 0.013    | 0.0098 | mg/Kg | ☐ | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| Toluene                      | 0.19      |           | 0.013    | 0.0079 | mg/Kg | ☐ | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| Surrogate                    | %Recovery | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |        |       |   | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| Dibromofluoromethane         | 89        |           | 70 - 120 |        |       |   | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| 1,2-Dichloroethane-d4 (Surr) | 82        |           | 71 - 127 |        |       |   | 06/27/16 09:45 | 07/06/16 10:11 | 50      |
| Toluene-d8 (Surr)            | 103       |           | 75 - 120 |        |       |   | 06/27/16 09:45 | 07/06/16 10:11 | 50      |

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Xylenes, Total               | 34        |           | 0.27     | 0.12 | mg/Kg | ☐ | 06/27/16 09:45 | 07/06/16 10:38 | 500     |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 |      |       |   | 06/27/16 09:45 | 07/06/16 10:38 | 500     |
| Dibromofluoromethane         | 88        |           | 70 - 120 |      |       |   | 06/27/16 09:45 | 07/06/16 10:38 | 500     |
| 1,2-Dichloroethane-d4 (Surr) | 81        |           | 71 - 127 |      |       |   | 06/27/16 09:45 | 07/06/16 10:38 | 500     |
| Toluene-d8 (Surr)            | 100       |           | 75 - 120 |      |       |   | 06/27/16 09:45 | 07/06/16 10:38 | 500     |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result    | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.039    |           | 0.039    | 0.0071 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Acenaphthylene         | <0.039    |           | 0.039    | 0.0052 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Anthracene             | <0.039    |           | 0.039    | 0.0066 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Benzo[a]anthracene     | 0.0099    | J         | 0.039    | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Benzo[a]pyrene         | <0.039    |           | 0.039    | 0.0077 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Benzo[b]fluoranthene   | 0.012     | J         | 0.039    | 0.0085 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Benzo[g,h,i]perylene   | <0.039    |           | 0.039    | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Benzo[k]fluoranthene   | <0.039    |           | 0.039    | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Chrysene               | 0.012     | J         | 0.039    | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Dibenz(a,h)anthracene  | <0.039    |           | 0.039    | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Fluoranthene           | 0.0097    | J         | 0.039    | 0.0073 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Fluorene               | <0.039    |           | 0.039    | 0.0056 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.039    |           | 0.039    | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Naphthalene            | 0.48      |           | 0.039    | 0.0061 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Phenanthrene           | 0.016     | J         | 0.039    | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Pyrene                 | 0.0082    | J         | 0.039    | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2-Fluorobiphenyl       | 71        |           | 42 - 115 |        |       |   | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Nitrobenzene-d5        | 67        |           | 33 - 124 |        |       |   | 07/05/16 07:32 | 07/06/16 19:33 | 1       |
| Terphenyl-d14          | 86        |           | 25 - 150 |        |       |   | 07/05/16 07:32 | 07/06/16 19:33 | 1       |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-0607**  
 Date Collected: 06/27/16 09:50  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-2**  
 Matrix: Solid  
 Percent Solids: 80.4

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result  | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | <0.0043 |           | 0.0043 | 0.00095 | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| Ethylbenzene   | <0.0043 |           | 0.0043 | 0.0011  | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| Toluene        | <0.0043 |           | 0.0043 | 0.0015  | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| Xylenes, Total | <0.0085 |           | 0.0085 | 0.0016  | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 17:49 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 108       |           | 70 - 120 | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| Dibromofluoromethane         | 112       |           | 75 - 120 | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 69 - 134 | 06/28/16 07:30 | 07/07/16 17:49 | 1       |
| Toluene-d8 (Surr)            | 118       |           | 75 - 123 | 06/28/16 07:30 | 07/07/16 17:49 | 1       |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.039 |           | 0.039 | 0.0071 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Acenaphthylene         | <0.039 |           | 0.039 | 0.0052 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Anthracene             | <0.039 |           | 0.039 | 0.0066 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Benzo[a]anthracene     | <0.039 |           | 0.039 | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Benzo[a]pyrene         | <0.039 |           | 0.039 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Benzo[b]fluoranthene   | <0.039 |           | 0.039 | 0.0085 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Benzo[g,h,i]perylene   | <0.039 |           | 0.039 | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Benzo[k]fluoranthene   | <0.039 |           | 0.039 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Chrysene               | <0.039 |           | 0.039 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Dibenz(a,h)anthracene  | <0.039 |           | 0.039 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Fluoranthene           | <0.039 |           | 0.039 | 0.0073 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Fluorene               | <0.039 |           | 0.039 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.039 |           | 0.039 | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Naphthalene            | <0.039 |           | 0.039 | 0.0060 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Phenanthrene           | <0.039 |           | 0.039 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Pyrene                 | <0.039 |           | 0.039 | 0.0078 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 19:59 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 64        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Nitrobenzene-d5  | 63        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 19:59 | 1       |
| Terphenyl-d14    | 81        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 19:59 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-1011**

**Lab Sample ID: 500-113606-3**

Date Collected: 06/27/16 09:55

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzene        | <0.28  |           | 0.28 | 0.17 | mg/Kg | ☐ | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| Ethylbenzene   | <0.28  |           | 0.28 | 0.21 | mg/Kg | ☐ | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| Toluene        | <0.28  |           | 0.28 | 0.17 | mg/Kg | ☐ | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| Xylenes, Total | <0.57  |           | 0.57 | 0.25 | mg/Kg | ☐ | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| Dibromofluoromethane         | 88        |           | 70 - 120 | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| 1,2-Dichloroethane-d4 (Surr) | 81        |           | 71 - 127 | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |
| Toluene-d8 (Surr)            | 102       |           | 75 - 120 | 06/27/16 09:55 | 07/06/16 11:03 | 1000    |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.039 |           | 0.039 | 0.0070 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Acenaphthylene         | <0.039 |           | 0.039 | 0.0052 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Anthracene             | <0.039 |           | 0.039 | 0.0065 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Benzo[a]anthracene     | <0.039 |           | 0.039 | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Benzo[a]pyrene         | <0.039 |           | 0.039 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Benzo[b]fluoranthene   | <0.039 |           | 0.039 | 0.0085 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Benzo[g,h,i]perylene   | <0.039 |           | 0.039 | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Benzo[k]fluoranthene   | <0.039 |           | 0.039 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Chrysene               | <0.039 |           | 0.039 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Dibenz[a,h]anthracene  | <0.039 |           | 0.039 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Fluoranthene           | <0.039 |           | 0.039 | 0.0073 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Fluorene               | 0.0083 | J         | 0.039 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.039 |           | 0.039 | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Naphthalene            | <0.039 |           | 0.039 | 0.0060 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Phenanthrene           | 0.015  | J         | 0.039 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Pyrene                 | <0.039 |           | 0.039 | 0.0078 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 20:26 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 73        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Nitrobenzene-d5  | 71        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 20:26 | 1       |
| Terphenyl-d14    | 87        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 20:26 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-1314**

**Lab Sample ID: 500-113606-4**

Date Collected: 06/27/16 10:00

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Benzene        | <0.015 |           | 0.015 | 0.0087 | mg/Kg | ☒ | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| Ethylbenzene   | <0.015 |           | 0.015 | 0.011  | mg/Kg | ☒ | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| Toluene        | <0.015 |           | 0.015 | 0.0087 | mg/Kg | ☒ | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| Xylenes, Total | 0.031  |           | 0.030 | 0.013  | mg/Kg | ☒ | 06/27/16 10:00 | 07/06/16 11:29 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| Dibromofluoromethane         | 89        |           | 70 - 120 | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| 1,2-Dichloroethane-d4 (Surr) | 83        |           | 71 - 127 | 06/27/16 10:00 | 07/06/16 11:29 | 50      |
| Toluene-d8 (Surr)            | 101       |           | 75 - 120 | 06/27/16 10:00 | 07/06/16 11:29 | 50      |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.039 |           | 0.039 | 0.0071 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Acenaphthylene         | <0.039 |           | 0.039 | 0.0052 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Anthracene             | <0.039 |           | 0.039 | 0.0066 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Benzo[a]anthracene     | <0.039 |           | 0.039 | 0.0053 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Benzo[a]pyrene         | <0.039 |           | 0.039 | 0.0077 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Benzo[b]fluoranthene   | <0.039 |           | 0.039 | 0.0086 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Benzo[g,h,i]perylene   | <0.039 |           | 0.039 | 0.013  | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Benzo[k]fluoranthene   | <0.039 |           | 0.039 | 0.012  | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Chrysene               | <0.039 |           | 0.039 | 0.011  | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Dibenz(a,h)anthracene  | <0.039 |           | 0.039 | 0.0077 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Fluoranthene           | <0.039 |           | 0.039 | 0.0074 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Fluorene               | <0.039 |           | 0.039 | 0.0056 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.039 |           | 0.039 | 0.010  | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Naphthalene            | <0.039 |           | 0.039 | 0.0061 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Phenanthrene           | <0.039 |           | 0.039 | 0.0055 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Pyrene                 | <0.039 |           | 0.039 | 0.0079 | mg/Kg | ☒ | 07/05/16 07:32 | 07/06/16 20:52 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 57        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Nitrobenzene-d5  | 59        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 20:52 | 1       |
| Terphenyl-d14    | 78        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 20:52 | 1       |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-1718**

**Lab Sample ID: 500-113606-5**

Date Collected: 06/27/16 10:15

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 86.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Benzene        | <0.013 |           | 0.013 | 0.0074 | mg/Kg | ☐ | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| Ethylbenzene   | 0.021  |           | 0.013 | 0.0092 | mg/Kg | ☐ | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| Toluene        | 0.029  |           | 0.013 | 0.0074 | mg/Kg | ☐ | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| Xylenes, Total | 0.70   |           | 0.025 | 0.011  | mg/Kg | ☐ | 06/27/16 10:15 | 07/06/16 11:55 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101       |           | 71 - 120 | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| Dibromofluoromethane         | 88        |           | 70 - 120 | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| 1,2-Dichloroethane-d4 (Surr) | 83        |           | 71 - 127 | 06/27/16 10:15 | 07/06/16 11:55 | 50      |
| Toluene-d8 (Surr)            | 101       |           | 75 - 120 | 06/27/16 10:15 | 07/06/16 11:55 | 50      |

**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 | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Acenaphthylene         | <0.038 |           | 0.038 | 0.0050 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Anthracene             | <0.038 |           | 0.038 | 0.0064 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Benzo[a]anthracene     | <0.038 |           | 0.038 | 0.0051 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Benzo[a]pyrene         | <0.038 |           | 0.038 | 0.0074 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Benzo[b]fluoranthene   | <0.038 |           | 0.038 | 0.0082 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Benzo[g,h,i]perylene   | <0.038 |           | 0.038 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Benzo[k]fluoranthene   | <0.038 |           | 0.038 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Chrysene               | <0.038 |           | 0.038 | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Dibenz[a,h]anthracene  | <0.038 |           | 0.038 | 0.0074 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Fluoranthene           | <0.038 |           | 0.038 | 0.0071 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Fluorene               | <0.038 |           | 0.038 | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.038 |           | 0.038 | 0.0099 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Naphthalene            | 0.025  | J         | 0.038 | 0.0059 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Phenanthrene           | <0.038 |           | 0.038 | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Pyrene                 | <0.038 |           | 0.038 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:18 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 66        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Nitrobenzene-d5  | 66        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 21:18 | 1       |
| Terphenyl-d14    | 74        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 21:18 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-2223**  
**Date Collected: 06/27/16 10:30**  
**Date Received: 06/27/16 16:22**

**Lab Sample ID: 500-113606-6**  
**Matrix: Solid**  
**Percent Solids: 78.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Benzene        | 0.30   |           | 0.014 | 0.0083 | mg/Kg | ☐ | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| Ethylbenzene   | 9.7    |           | 0.014 | 0.010  | mg/Kg | ☐ | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| Toluene        | 0.12   |           | 0.014 | 0.0083 | mg/Kg | ☐ | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| Xylenes, Total | 0.32   |           | 0.028 | 0.012  | mg/Kg | ☐ | 06/27/16 10:30 | 07/06/16 12:21 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| Dibromofluoromethane         | 90        |           | 70 - 120 | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| 1,2-Dichloroethane-d4 (Surr) | 84        |           | 71 - 127 | 06/27/16 10:30 | 07/06/16 12:21 | 50      |
| Toluene-d8 (Surr)            | 100       |           | 75 - 120 | 06/27/16 10:30 | 07/06/16 12:21 | 50      |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.041 |           | 0.041 | 0.0073 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Acenaphthylene         | <0.041 |           | 0.041 | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Anthracene             | <0.041 |           | 0.041 | 0.0068 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Benzo[a]anthracene     | <0.041 |           | 0.041 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Benzo[a]pyrene         | <0.041 |           | 0.041 | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Benzo[b]fluoranthene   | <0.041 |           | 0.041 | 0.0088 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Benzo[g,h,i]perylene   | <0.041 |           | 0.041 | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Benzo[k]fluoranthene   | <0.041 |           | 0.041 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Chrysene               | <0.041 |           | 0.041 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Dibenz(a,h)anthracene  | <0.041 |           | 0.041 | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Fluoranthene           | <0.041 |           | 0.041 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Fluorene               | <0.041 |           | 0.041 | 0.0057 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.041 |           | 0.041 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Naphthalene            | <0.041 |           | 0.041 | 0.0063 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Phenanthrene           | <0.041 |           | 0.041 | 0.0057 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Pyrene                 | 0.0092 | J         | 0.041 | 0.0081 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 21:45 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 73        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Nitrobenzene-d5  | 71        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 21:45 | 1       |
| Terphenyl-d14    | 83        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 21:45 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-0203**

**Lab Sample ID: 500-113606-7**

Date Collected: 06/27/16 12:40

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 84.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte                      | Result           | Qualifier        | RL            | MDL    | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------------------|------------------|------------------|---------------|--------|-------|---|-----------------|-----------------|----------------|
| Benzene                      | 0.52             |                  | 0.014         | 0.0082 | mg/Kg | ☐ | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| Ethylbenzene                 | 1.3              |                  | 0.014         | 0.010  | mg/Kg | ☐ | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| Toluene                      | 0.14             |                  | 0.014         | 0.0082 | mg/Kg | ☐ | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| Xylenes, Total               | 4.8              |                  | 0.028         | 0.012  | mg/Kg | ☐ | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| <b>Surrogate</b>             | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |        |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr)  | 101              |                  | 71 - 120      |        |       |   | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| Dibromofluoromethane         | 90               |                  | 70 - 120      |        |       |   | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| 1,2-Dichloroethane-d4 (Surr) | 86               |                  | 71 - 127      |        |       |   | 06/27/16 12:40  | 07/06/16 12:48  | 50             |
| Toluene-d8 (Surr)            | 101              |                  | 75 - 120      |        |       |   | 06/27/16 12:40  | 07/06/16 12:48  | 50             |

**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 | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Acenaphthylene         | <0.038           |                  | 0.038         | 0.0051 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Anthracene             | <0.038           |                  | 0.038         | 0.0064 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Benzo[a]anthracene     | 0.0057           | J                | 0.038         | 0.0052 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Benzo[a]pyrene         | <0.038           |                  | 0.038         | 0.0074 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Benzo[b]fluoranthene   | <0.038           |                  | 0.038         | 0.0083 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Benzo[g,h,i]perylene   | <0.038           |                  | 0.038         | 0.012  | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Benzo[k]fluoranthene   | <0.038           |                  | 0.038         | 0.011  | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Chrysene               | <0.038           |                  | 0.038         | 0.010  | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Dibenz[a,h]anthracene  | <0.038           |                  | 0.038         | 0.0074 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Fluoranthene           | 0.0094           | J                | 0.038         | 0.0071 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Fluorene               | <0.038           |                  | 0.038         | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Indeno[1,2,3-cd]pyrene | <0.038           |                  | 0.038         | 0.0099 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Naphthalene            | 0.081            |                  | 0.038         | 0.0059 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Phenanthrene           | 0.014            | J                | 0.038         | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Pyrene                 | 0.0079           | J                | 0.038         | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| <b>Surrogate</b>       | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |        |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 2-Fluorobiphenyl       | 75               |                  | 42 - 115      |        |       |   | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Nitrobenzene-d5        | 74               |                  | 33 - 124      |        |       |   | 07/05/16 07:32  | 07/06/16 22:11  | 1              |
| Terphenyl-d14          | 93               |                  | 25 - 150      |        |       |   | 07/05/16 07:32  | 07/06/16 22:11  | 1              |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-0708**

**Lab Sample ID: 500-113606-8**

Date Collected: 06/27/16 12:45

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 80.9

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result  | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| Benzene        | <0.0046 |           | 0.0046 | 0.0010 | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| Ethylbenzene   | <0.0046 |           | 0.0046 | 0.0011 | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| Toluene        | <0.0046 |           | 0.0046 | 0.0016 | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| Xylenes, Total | <0.0092 |           | 0.0092 | 0.0017 | mg/Kg | ☐ | 06/28/16 07:30 | 07/07/16 18:14 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 105       |           | 70 - 120 | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| Dibromofluoromethane         | 109       |           | 75 - 120 | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 69 - 134 | 06/28/16 07:30 | 07/07/16 18:14 | 1       |
| Toluene-d8 (Surr)            | 118       |           | 75 - 123 | 06/28/16 07:30 | 07/07/16 18:14 | 1       |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.039 |           | 0.039 | 0.0070 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Acenaphthylene         | <0.039 |           | 0.039 | 0.0051 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Anthracene             | <0.039 |           | 0.039 | 0.0065 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Benzo[a]anthracene     | <0.039 |           | 0.039 | 0.0052 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Benzo[a]pyrene         | <0.039 |           | 0.039 | 0.0075 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Benzo[b]fluoranthene   | <0.039 |           | 0.039 | 0.0084 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Benzo[g,h,i]perylene   | <0.039 |           | 0.039 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Benzo[k]fluoranthene   | <0.039 |           | 0.039 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Chrysene               | <0.039 |           | 0.039 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Dibenz(a,h)anthracene  | <0.039 |           | 0.039 | 0.0075 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Fluoranthene           | <0.039 |           | 0.039 | 0.0072 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Fluorene               | <0.039 |           | 0.039 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.039 |           | 0.039 | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Naphthalene            | <0.039 |           | 0.039 | 0.0060 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Phenanthrene           | <0.039 |           | 0.039 | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Pyrene                 | <0.039 |           | 0.039 | 0.0077 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 22:37 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 70        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Nitrobenzene-d5  | 68        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 22:37 | 1       |
| Terphenyl-d14    | 79        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 22:37 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-1112**

**Lab Sample ID: 500-113606-9**

Date Collected: 06/27/16 12:50

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 80.5

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzene        | <0.30  |           | 0.30 | 0.17 | mg/Kg | ☐ | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| Ethylbenzene   | <0.30  |           | 0.30 | 0.22 | mg/Kg | ☐ | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| Toluene        | <0.30  |           | 0.30 | 0.17 | mg/Kg | ☐ | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| Xylenes, Total | <0.59  |           | 0.59 | 0.26 | mg/Kg | ☐ | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| Dibromofluoromethane         | 88        |           | 70 - 120 | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| 1,2-Dichloroethane-d4 (Surr) | 88        |           | 71 - 127 | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |
| Toluene-d8 (Surr)            | 101       |           | 75 - 120 | 06/27/16 12:50 | 07/06/16 13:13 | 1000    |

**Method: 8270D - Semivolatile Priority Pollutants**

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Acenaphthene           | <0.041 |           | 0.041 | 0.0073 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Acenaphthylene         | <0.041 |           | 0.041 | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Anthracene             | <0.041 |           | 0.041 | 0.0068 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Benzo[a]anthracene     | <0.041 |           | 0.041 | 0.0055 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Benzo[a]pyrene         | <0.041 |           | 0.041 | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Benzo[b]fluoranthene   | <0.041 |           | 0.041 | 0.0088 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Benzo[g,h,i]perylene   | <0.041 |           | 0.041 | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Benzo[k]fluoranthene   | <0.041 |           | 0.041 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Chrysene               | <0.041 |           | 0.041 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Dibenz(a,h)anthracene  | <0.041 |           | 0.041 | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Fluoranthene           | <0.041 |           | 0.041 | 0.0076 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Fluorene               | 0.0093 | J         | 0.041 | 0.0057 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.041 |           | 0.041 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Naphthalene            | <0.041 |           | 0.041 | 0.0063 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Phenanthrene           | 0.018  | J         | 0.041 | 0.0057 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Pyrene                 | <0.041 |           | 0.041 | 0.0081 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:03 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 65        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Nitrobenzene-d5  | 59        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 23:03 | 1       |
| Terphenyl-d14    | 80        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 23:03 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-1415**

**Lab Sample ID: 500-113606-10**

Date Collected: 06/27/16 12:55

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.5

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Benzene        | <0.27  |           | 0.27 | 0.16 | mg/Kg | ☐ | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| Ethylbenzene   | <0.27  |           | 0.27 | 0.20 | mg/Kg | ☐ | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| Toluene        | <0.27  |           | 0.27 | 0.16 | mg/Kg | ☐ | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| Xylenes, Total | 3.4    |           | 0.55 | 0.24 | mg/Kg | ☐ | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| Dibromofluoromethane         | 90        |           | 70 - 120 | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| 1,2-Dichloroethane-d4 (Surr) | 84        |           | 71 - 127 | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |
| Toluene-d8 (Surr)            | 99        |           | 75 - 120 | 06/27/16 12:55 | 07/06/16 13:39 | 1000    |

**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 | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Acenaphthylene         | <0.040 |           | 0.040 | 0.0053 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Anthracene             | <0.040 |           | 0.040 | 0.0067 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Benzo[a]anthracene     | <0.040 |           | 0.040 | 0.0054 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Benzo[a]pyrene         | <0.040 |           | 0.040 | 0.0077 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Benzo[b]fluoranthene   | <0.040 |           | 0.040 | 0.0086 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Benzo[g,h,i]perylene   | <0.040 |           | 0.040 | 0.013  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Benzo[k]fluoranthene   | <0.040 |           | 0.040 | 0.012  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Chrysene               | <0.040 |           | 0.040 | 0.011  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Dibenz(a,h)anthracene  | <0.040 |           | 0.040 | 0.0077 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Fluoranthene           | <0.040 |           | 0.040 | 0.0074 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Fluorene               | <0.040 |           | 0.040 | 0.0056 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.040 |           | 0.040 | 0.010  | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Naphthalene            | 0.24   |           | 0.040 | 0.0061 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Phenanthrene           | <0.040 |           | 0.040 | 0.0056 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Pyrene                 | <0.040 |           | 0.040 | 0.0079 | mg/Kg | ☐ | 07/05/16 07:32 | 07/06/16 23:29 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 77        |           | 42 - 115 | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Nitrobenzene-d5  | 72        |           | 33 - 124 | 07/05/16 07:32 | 07/06/16 23:29 | 1       |
| Terphenyl-d14    | 87        |           | 25 - 150 | 07/05/16 07:32 | 07/06/16 23:29 | 1       |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Qualifiers**

**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. |

**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  |
| 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)   |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**GC/MS VOA**

**Prep Batch: 342142**

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 500-113606-1 - DL | SB-22-0203       | Total/NA  | Solid  | 5035   |            |
| 500-113606-1      | SB-22-0203       | Total/NA  | Solid  | 5035   |            |
| 500-113606-3      | SB-22-1011       | Total/NA  | Solid  | 5035   |            |
| 500-113606-4      | SB-22-1314       | Total/NA  | Solid  | 5035   |            |
| 500-113606-5      | SB-22-1718       | Total/NA  | Solid  | 5035   |            |
| 500-113606-6      | SB-22-2223       | Total/NA  | Solid  | 5035   |            |
| 500-113606-7      | SB-23-0203       | Total/NA  | Solid  | 5035   |            |
| 500-113606-9      | SB-23-1112       | Total/NA  | Solid  | 5035   |            |
| 500-113606-10     | SB-23-1415       | Total/NA  | Solid  | 5035   |            |

**Prep Batch: 342423**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-113606-2  | SB-22-0607       | Total/NA  | Solid  | 5035   |            |
| 500-113606-8  | SB-23-0708       | Total/NA  | Solid  | 5035   |            |

**Analysis Batch: 342535**

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 500-113606-1      | SB-22-0203         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-1 - DL | SB-22-0203         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-3      | SB-22-1011         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-4      | SB-22-1314         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-5      | SB-22-1718         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-6      | SB-22-2223         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-7      | SB-23-0203         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-9      | SB-23-1112         | Total/NA  | Solid  | 8260B  | 342142     |
| 500-113606-10     | SB-23-1415         | Total/NA  | Solid  | 8260B  | 342142     |
| LCS 500-342535/4  | Lab Control Sample | Total/NA  | Solid  | 8260B  |            |
| MB 500-342535/7   | Method Blank       | Total/NA  | Solid  | 8260B  |            |

**Analysis Batch: 342720**

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 500-113606-2     | SB-22-0607         | Total/NA  | Solid  | 8260B  | 342423     |
| 500-113606-8     | SB-23-0708         | Total/NA  | Solid  | 8260B  | 342423     |
| LCS 500-342720/4 | Lab Control Sample | Total/NA  | Solid  | 8260B  |            |
| MB 500-342720/5  | Method Blank       | Total/NA  | Solid  | 8260B  |            |

**GC/MS Semi VOA**

**Prep Batch: 342372**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-113606-1  | SB-22-0203       | Total/NA  | Solid  | 3541   |            |
| 500-113606-2  | SB-22-0607       | Total/NA  | Solid  | 3541   |            |
| 500-113606-3  | SB-22-1011       | Total/NA  | Solid  | 3541   |            |
| 500-113606-4  | SB-22-1314       | Total/NA  | Solid  | 3541   |            |
| 500-113606-5  | SB-22-1718       | Total/NA  | Solid  | 3541   |            |
| 500-113606-6  | SB-22-2223       | Total/NA  | Solid  | 3541   |            |
| 500-113606-7  | SB-23-0203       | Total/NA  | Solid  | 3541   |            |
| 500-113606-8  | SB-23-0708       | Total/NA  | Solid  | 3541   |            |
| 500-113606-9  | SB-23-1112       | Total/NA  | Solid  | 3541   |            |
| 500-113606-10 | SB-23-1415       | Total/NA  | Solid  | 3541   |            |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**GC/MS Semi VOA (Continued)**

**Prep Batch: 342372 (Continued)**

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 500-342372/2-A | Lab Control Sample | Total/NA  | Solid  | 3541   |            |
| MB 500-342372/1-A  | Method Blank       | Total/NA  | Solid  | 3541   |            |

**Analysis Batch: 342621**

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 500-342372/2-A | Lab Control Sample | Total/NA  | Solid  | 8270D  | 342372     |
| MB 500-342372/1-A  | Method Blank       | Total/NA  | Solid  | 8270D  | 342372     |

**Analysis Batch: 342674**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-113606-1  | SB-22-0203       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-2  | SB-22-0607       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-3  | SB-22-1011       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-4  | SB-22-1314       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-5  | SB-22-1718       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-6  | SB-22-2223       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-7  | SB-23-0203       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-8  | SB-23-0708       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-9  | SB-23-1112       | Total/NA  | Solid  | 8270D  | 342372     |
| 500-113606-10 | SB-23-1415       | Total/NA  | Solid  | 8270D  | 342372     |

**General Chemistry**

**Analysis Batch: 342398**

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 500-113606-1    | SB-22-0203       | Total/NA  | Solid  | Moisture |            |
| 500-113606-1 DU | SB-22-0203       | Total/NA  | Solid  | Moisture |            |
| 500-113606-2    | SB-22-0607       | Total/NA  | Solid  | Moisture |            |
| 500-113606-3    | SB-22-1011       | Total/NA  | Solid  | Moisture |            |
| 500-113606-4    | SB-22-1314       | Total/NA  | Solid  | Moisture |            |
| 500-113606-5    | SB-22-1718       | Total/NA  | Solid  | Moisture |            |
| 500-113606-6    | SB-22-2223       | Total/NA  | Solid  | Moisture |            |
| 500-113606-7    | SB-23-0203       | Total/NA  | Solid  | Moisture |            |
| 500-113606-8    | SB-23-0708       | Total/NA  | Solid  | Moisture |            |
| 500-113606-9    | SB-23-1112       | Total/NA  | Solid  | Moisture |            |
| 500-113606-10   | SB-23-1415       | Total/NA  | Solid  | Moisture |            |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**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<br>(71-120)                                | DBFM<br>(70-120) | 12DCE<br>(71-127) | TOL<br>(75-120) |
| 500-113606-1      | SB-22-0203         | 97   | 89               | 82                | 103             |
| 500-113606-1 - DL | SB-22-0203         | 99   | 88               | 81                | 100             |
| 500-113606-3      | SB-22-1011         | 97   | 88               | 81                | 102             |
| 500-113606-4      | SB-22-1314         | 99   | 89               | 83                | 101             |
| 500-113606-5      | SB-22-1718         | 101  | 88               | 83                | 101             |
| 500-113606-6      | SB-22-2223         | 99   | 90               | 84                | 100             |
| 500-113606-7      | SB-23-0203         | 101  | 90               | 86                | 101             |
| 500-113606-9      | SB-23-1112         | 99   | 88               | 88                | 101             |
| 500-113606-10     | SB-23-1415         | 99   | 90               | 84                | 99              |
| LCS 500-342535/4  | Lab Control Sample | 97   | 90               | 80                | 101             |
| MB 500-342535/7   | Method Blank       | 100  | 84               | 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<br>(70-120)                                | DBFM<br>(75-120) | 12DCE<br>(69-134) | TOL<br>(75-123) |
| 500-113606-2     | SB-22-0607         | 108  | 112              | 113               | 118             |
| 500-113606-8     | SB-23-0708         | 105  | 109              | 107               | 118             |
| LCS 500-342720/4 | Lab Control Sample | 109  | 107              | 101               | 122             |
| MB 500-342720/5  | Method Blank       | 106  | 106              | 102               | 121             |

**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<br>(42-115)                                | NBZ<br>(33-124) | TPH<br>(25-150) |
| 500-113606-1  | SB-22-0203       | 71   | 67              | 86              |
| 500-113606-2  | SB-22-0607       | 64   | 63              | 81              |
| 500-113606-3  | SB-22-1011       | 73   | 71              | 87              |
| 500-113606-4  | SB-22-1314       | 57   | 59              | 78              |
| 500-113606-5  | SB-22-1718       | 66   | 66              | 74              |
| 500-113606-6  | SB-22-2223       | 73   | 71              | 83              |
| 500-113606-7  | SB-23-0203       | 75   | 74              | 93              |
| 500-113606-8  | SB-23-0708       | 70   | 68              | 79              |
| 500-113606-9  | SB-23-1112       | 65   | 59              | 80              |

TestAmerica Chicago

Client: CDM Smith, Inc.  
Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Method: 8270D - Semivolatile Priority Pollutants (Continued)**

**Matrix: Solid**

**Prep Type: Total/NA**

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |
|--------------------|--------------------|--|-----------------|-----------------|
|                    |                    | FBP<br>(42-115)                                | NBZ<br>(33-124) | TPH<br>(25-150) |
| 500-113606-10      | SB-23-1415         | 77   | 72              | 87              |
| LCS 500-342372/2-A | Lab Control Sample | 81   | 80              | 82              |
| MB 500-342372/1-A  | Method Blank       | 84   | 82              | 83              |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl

NBZ = Nitrobenzene-d5

TPH = Terphenyl-d14



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Lab Sample ID: MB 500-342535/7  
 Matrix: Solid  
 Analysis Batch: 342535

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 | 0.00015 | mg/Kg |   |          | 07/06/16 09:46 | 1       |
| Ethylbenzene   | <0.00025  |              | 0.00025 | 0.00018 | mg/Kg |   |          | 07/06/16 09:46 | 1       |
| Toluene        | <0.00025  |              | 0.00025 | 0.00015 | mg/Kg |   |          | 07/06/16 09:46 | 1       |
| Xylenes, Total | <0.00050  |              | 0.00050 | 0.00022 | mg/Kg |   |          | 07/06/16 09:46 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 71 - 120 |          | 07/06/16 09:46 | 1       |
| Dibromofluoromethane         | 84           |              | 70 - 120 |          | 07/06/16 09:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 80           |              | 71 - 127 |          | 07/06/16 09:46 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 75 - 120 |          | 07/06/16 09:46 | 1       |

Lab Sample ID: LCS 500-342535/4  
 Matrix: Solid  
 Analysis Batch: 342535

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      | 0.0538     |               | mg/Kg |   | 108  | 70 - 125     |
| Ethylbenzene   | 0.0500      | 0.0533     |               | mg/Kg |   | 107  | 70 - 125     |
| Toluene        | 0.0500      | 0.0523     |               | mg/Kg |   | 105  | 70 - 125     |
| Xylenes, Total | 0.100       | 0.101      |               | mg/Kg |   | 101  | 70 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 97            |               | 71 - 120 |
| Dibromofluoromethane         | 90            |               | 70 - 120 |
| 1,2-Dichloroethane-d4 (Surr) | 80            |               | 71 - 127 |
| Toluene-d8 (Surr)            | 101           |               | 75 - 120 |

Lab Sample ID: MB 500-342720/5  
 Matrix: Solid  
 Analysis Batch: 342720

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 | 0.0011 | mg/Kg |   |          | 07/07/16 10:41 | 1       |
| Ethylbenzene   | <0.0050   |              | 0.0050 | 0.0012 | mg/Kg |   |          | 07/07/16 10:41 | 1       |
| Toluene        | <0.0050   |              | 0.0050 | 0.0017 | mg/Kg |   |          | 07/07/16 10:41 | 1       |
| Xylenes, Total | <0.010    |              | 0.010  | 0.0019 | mg/Kg |   |          | 07/07/16 10:41 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 106          |              | 70 - 120 |          | 07/07/16 10:41 | 1       |
| Dibromofluoromethane         | 106          |              | 75 - 120 |          | 07/07/16 10:41 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 69 - 134 |          | 07/07/16 10:41 | 1       |
| Toluene-d8 (Surr)            | 121          |              | 75 - 123 |          | 07/07/16 10:41 | 1       |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

| Lab Sample ID: LCS 500-342720/4 |             |            |               | Client Sample ID: Lab Control Sample |   |      |              |
|---------------------------------|-------------|------------|---------------|--------------------------------------|---|------|--------------|
| Matrix: Solid                   |             |            |               | Prep Type: Total/NA                  |   |      |              |
| Analysis Batch: 342720          |             |            |               |                                      |   |      |              |
| Analyte                         | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec. Limits |
| Benzene                         | 0.0500      | 0.0458     |               | mg/Kg                                |   | 92   | 70 - 120     |
| Ethylbenzene                    | 0.0500      | 0.0439     |               | mg/Kg                                |   | 88   | 70 - 120     |
| Toluene                         | 0.0500      | 0.0433     |               | mg/Kg                                |   | 87   | 70 - 121     |
| Xylenes, Total                  | 0.100       | 0.0876     |               | mg/Kg                                |   | 88   | 70 - 123     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 109           |               | 70 - 120 |
| Dibromofluoromethane         | 107           |               | 75 - 120 |
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 69 - 134 |
| Toluene-d8 (Surr)            | 122           |               | 75 - 123 |

**Method: 8270D - Semivolatile Priority Pollutants**

| Lab Sample ID: MB 500-342372/1-A |           |              |       | Client Sample ID: Method Blank |       |   |                |                |         |
|----------------------------------|-----------|--------------|-------|--------------------------------|-------|---|----------------|----------------|---------|
| Matrix: Solid                    |           |              |       | Prep Type: Total/NA            |       |   |                |                |         |
| Analysis Batch: 342621           |           |              |       | Prep Batch: 342372             |       |   |                |                |         |
| Analyte                          | MB Result | MB Qualifier | RL    | MDL                            | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Acenaphthene                     | <0.033    |              | 0.033 | 0.0060                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Acenaphthylene                   | <0.033    |              | 0.033 | 0.0044                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Anthracene                       | <0.033    |              | 0.033 | 0.0056                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Benzo[a]anthracene               | <0.033    |              | 0.033 | 0.0045                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Benzo[a]pyrene                   | <0.033    |              | 0.033 | 0.0064                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Benzo[b]fluoranthene             | <0.033    |              | 0.033 | 0.0072                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Benzo[g,h,i]perylene             | <0.033    |              | 0.033 | 0.011                          | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Benzo[k]fluoranthene             | <0.033    |              | 0.033 | 0.0098                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Chrysene                         | <0.033    |              | 0.033 | 0.0091                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Dibenz[a,h]anthracene            | <0.033    |              | 0.033 | 0.0064                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Fluoranthene                     | <0.033    |              | 0.033 | 0.0062                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Fluorene                         | <0.033    |              | 0.033 | 0.0047                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Indeno[1,2,3-cd]pyrene           | <0.033    |              | 0.033 | 0.0086                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Naphthalene                      | <0.033    |              | 0.033 | 0.0051                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Phenanthrene                     | <0.033    |              | 0.033 | 0.0046                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Pyrene                           | <0.033    |              | 0.033 | 0.0066                         | mg/Kg |   | 07/05/16 07:32 | 07/06/16 22:50 | 1       |

| Surrogate        | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 84           |              | 42 - 115 | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Nitrobenzene-d5  | 82           |              | 33 - 124 | 07/05/16 07:32 | 07/06/16 22:50 | 1       |
| Terphenyl-d14    | 83           |              | 25 - 150 | 07/05/16 07:32 | 07/06/16 22:50 | 1       |

| Lab Sample ID: LCS 500-342372/2-A |             |            |               | Client Sample ID: Lab Control Sample |   |      |              |
|-----------------------------------|-------------|------------|---------------|--------------------------------------|---|------|--------------|
| Matrix: Solid                     |             |            |               | Prep Type: Total/NA                  |   |      |              |
| Analysis Batch: 342621            |             |            |               | Prep Batch: 342372                   |   |      |              |
| Analyte                           | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec. Limits |
| Acenaphthene                      | 1.33        | 1.05       |               | mg/Kg                                |   | 78   | 52 - 113     |
| Acenaphthylene                    | 1.33        | 1.05       |               | mg/Kg                                |   | 79   | 57 - 116     |

TestAmerica Chicago

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Method: 8270D - Semivolatile Priority Pollutants (Continued)**

Lab Sample ID: LCS 500-342372/2-A  
 Matrix: Solid  
 Analysis Batch: 342621

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 342372  
 %Rec.

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | Limits   |
|------------------------|-------------|------------|---------------|-------|---|------|----------|
| Anthracene             | 1.33        | 1.09       |               | mg/Kg |   | 82   | 57 - 118 |
| Benzo[a]anthracene     | 1.33        | 1.07       |               | mg/Kg |   | 80   | 63 - 115 |
| Benzo[a]pyrene         | 1.33        | 1.14       |               | mg/Kg |   | 86   | 64 - 122 |
| Benzo[b]fluoranthene   | 1.33        | 1.21       |               | mg/Kg |   | 91   | 61 - 123 |
| Benzo[g,h,i]perylene   | 1.33        | 1.14       |               | mg/Kg |   | 85   | 55 - 134 |
| Benzo[k]fluoranthene   | 1.33        | 1.05       |               | mg/Kg |   | 79   | 59 - 125 |
| Chrysene               | 1.33        | 1.04       |               | mg/Kg |   | 78   | 63 - 118 |
| Dibenz(a,h)anthracene  | 1.33        | 1.24       |               | mg/Kg |   | 93   | 61 - 134 |
| Fluoranthene           | 1.33        | 1.13       |               | mg/Kg |   | 85   | 61 - 124 |
| Fluorene               | 1.33        | 1.08       |               | mg/Kg |   | 81   | 56 - 115 |
| Indeno[1,2,3-cd]pyrene | 1.33        | 1.21       |               | mg/Kg |   | 91   | 50 - 149 |
| Naphthalene            | 1.33        | 1.04       |               | mg/Kg |   | 78   | 58 - 116 |
| Phenanthrene           | 1.33        | 1.11       |               | mg/Kg |   | 83   | 58 - 125 |
| Pyrene                 | 1.33        | 1.07       |               | mg/Kg |   | 80   | 60 - 115 |

| Surrogate        | LCS %Recovery | LCS Qualifier | Limits   |
|------------------|---------------|---------------|----------|
| 2-Fluorobiphenyl | 81            |               | 42 - 115 |
| Nitrobenzene-d5  | 80            |               | 33 - 124 |
| Terphenyl-d14    | 82            |               | 25 - 150 |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-0203**

**Lab Sample ID: 500-113606-1**

Date Collected: 06/27/16 09:45  
 Date Received: 06/27/16 16:22

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-22-0203**

**Lab Sample ID: 500-113606-1**

Date Collected: 06/27/16 09:45  
 Date Received: 06/27/16 16:22

Matrix: Solid

Percent Solids: 81.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 09:45       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 50              | 342535       | 07/06/16 10:11       | PMF     | TAL CHI |
| Total/NA  | Prep       | 5035         | DL  |                 | 342142       | 06/27/16 09:45       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        | DL  | 500             | 342535       | 07/06/16 10:38       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 19:33       | GES     | TAL CHI |

**Client Sample ID: SB-22-0607**

**Lab Sample ID: 500-113606-2**

Date Collected: 06/27/16 09:50  
 Date Received: 06/27/16 16:22

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-22-0607**

**Lab Sample ID: 500-113606-2**

Date Collected: 06/27/16 09:50  
 Date Received: 06/27/16 16:22

Matrix: Solid

Percent Solids: 80.4

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342423       | 06/28/16 07:30       | BDW     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 1               | 342720       | 07/07/16 17:49       | BDW     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 19:59       | GES     | TAL CHI |

**Client Sample ID: SB-22-1011**

**Lab Sample ID: 500-113606-3**

Date Collected: 06/27/16 09:55  
 Date Received: 06/27/16 16:22

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-1011**

**Lab Sample ID: 500-113606-3**

Date Collected: 06/27/16 09:55

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 09:55       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 1000            | 342535       | 07/06/16 11:03       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 20:26       | GES     | TAL CHI |

**Client Sample ID: SB-22-1314**

**Lab Sample ID: 500-113606-4**

Date Collected: 06/27/16 10:00

Matrix: Solid

Date Received: 06/27/16 16:22

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-22-1314**

**Lab Sample ID: 500-113606-4**

Date Collected: 06/27/16 10:00

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 10:00       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 50              | 342535       | 07/06/16 11:29       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 20:52       | GES     | TAL CHI |

**Client Sample ID: SB-22-1718**

**Lab Sample ID: 500-113606-5**

Date Collected: 06/27/16 10:15

Matrix: Solid

Date Received: 06/27/16 16:22

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-22-1718**

**Lab Sample ID: 500-113606-5**

Date Collected: 06/27/16 10:15

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 86.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 10:15       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 50              | 342535       | 07/06/16 11:55       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 21:18       | GES     | TAL CHI |



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-22-2223**  
 Date Collected: 06/27/16 10:30  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-6**  
 Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-22-2223**  
 Date Collected: 06/27/16 10:30  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-6**  
 Matrix: Solid  
 Percent Solids: 78.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 10:30       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 50              | 342535       | 07/06/16 12:21       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 21:45       | GES     | TAL CHI |

**Client Sample ID: SB-23-0203**  
 Date Collected: 06/27/16 12:40  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-7**  
 Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-23-0203**  
 Date Collected: 06/27/16 12:40  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-7**  
 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         |     |                 | 342142       | 06/27/16 12:40       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 50              | 342535       | 07/06/16 12:48       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 22:11       | GES     | TAL CHI |

**Client Sample ID: SB-23-0708**  
 Date Collected: 06/27/16 12:45  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-8**  
 Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-23-0708**  
 Date Collected: 06/27/16 12:45  
 Date Received: 06/27/16 16:22

**Lab Sample ID: 500-113606-8**  
 Matrix: Solid  
 Percent Solids: 80.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342423       | 06/28/16 07:30       | BDW     | TAL CHI |

TestAmerica Chicago



Client: CDM Smith, Inc.  
 Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**Client Sample ID: SB-23-0708**

**Lab Sample ID: 500-113606-8**

Date Collected: 06/27/16 12:45

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 80.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 342720       | 07/07/16 18:14       | BDW     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 22:37       | GES     | TAL CHI |

**Client Sample ID: SB-23-1112**

**Lab Sample ID: 500-113606-9**

Date Collected: 06/27/16 12:50

Matrix: Solid

Date Received: 06/27/16 16:22

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-23-1112**

**Lab Sample ID: 500-113606-9**

Date Collected: 06/27/16 12:50

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 80.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 12:50       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 1000            | 342535       | 07/06/16 13:13       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 23:03       | GES     | TAL CHI |

**Client Sample ID: SB-23-1415**

**Lab Sample ID: 500-113606-10**

Date Collected: 06/27/16 12:55

Matrix: Solid

Date Received: 06/27/16 16:22

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 342398       | 07/05/16 09:53       | LWN     | TAL CHI |

**Client Sample ID: SB-23-1415**

**Lab Sample ID: 500-113606-10**

Date Collected: 06/27/16 12:55

Matrix: Solid

Date Received: 06/27/16 16:22

Percent Solids: 81.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |                 | 342142       | 06/27/16 12:55       | WRE     | TAL CHI |
| Total/NA  | Analysis   | 8260B        |     | 1000            | 342535       | 07/06/16 13:39       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3541         |     |                 | 342372       | 07/05/16 07:32       | STW     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342674       | 07/06/16 23:29       | GES     | TAL CHI |

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client: CDM Smith, Inc.  
Project/Site: Illinois Railway (101127)

TestAmerica Job ID: 500-113606-1

**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           | 04-30-17        |

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   |

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61  
Phone: 708.534.5200 Fax: 708.534



500-113606 COC

Electronic Filing: Received Clerk's Office 7/27/2017

Report to: Chris Albrecht Contact: \_\_\_\_\_  
 Company: COM SMITH Company: \_\_\_\_\_  
 Address: 1255 WACKER DR. Address: \_\_\_\_\_  
 Address: SUITE 600 Address: \_\_\_\_\_  
 Phone: CHICAGO IL 60600 Phone: \_\_\_\_\_  
312-780-7743 Fax: \_\_\_\_\_  
 Fax: 312-340-5228 Fax: \_\_\_\_\_  
 E-Mail: albrechtca@comsmith.com Reference: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-113606  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 1  
 Temperature °C of Cooler: 4.8

Illinois Railway, LLC (COB No. 17-54) R. 326

| Client Project #       |            | Preservative  |      | Parameter       |        | Matrix |      | Comments |  |
|------------------------|------------|---------------|------|-----------------|--------|--------|------|----------|--|
| Client Project #       |            | Preservative  |      | Parameter       |        | Matrix |      | Comments |  |
| Project Name           |            | Lab Project # |      | Date            |        | Time   |      | Matrix   |  |
| Project Location/State |            | Lab PM        |      | Date            |        | Time   |      | Matrix   |  |
| Sampler                |            | Lab PM        |      | Date            |        | Time   |      | Matrix   |  |
| MS/MSD                 | Sample ID  | Date          | Time | # of Containers | Matrix | BTEX   | PAHs | Comments |  |
| 1                      | SB-22-0203 | 6/27/15       | 0945 | 6               | 5      | X      | X    |          |  |
| 2                      | SB-22-0607 |               | 0950 |                 |        | X      | X    |          |  |
| 3                      | SB-22-1011 |               | 0955 |                 |        | X      | X    |          |  |
| 4                      | SB-22-1314 |               | 1000 |                 |        | X      | X    |          |  |
| 5                      | SB-22-1718 |               | 1015 |                 |        | X      | X    |          |  |
| 6                      | SB-22-2223 |               | 1030 |                 |        | X      | X    |          |  |
| 7                      | SB-23-0203 |               | 1240 |                 |        | X      | X    |          |  |
| 8                      | SB-23-0708 |               | 1215 |                 |        | X      | X    |          |  |
| 9                      | SB-23-1112 |               | 1250 |                 |        | X      | X    |          |  |
| 10                     | SB-23-1415 |               | 1255 |                 |        | 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  Disposed 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>COM SMITH</u> Date: <u>6/27/16</u> Time: <u>15:47</u> | Received By: <u>Daryl Becker</u> Company: <u>TA</u> Date: <u>6/27/16</u> Time: <u>15:47</u> | Lab Courier: <u>TA</u> |
| Relinquished By: <u>Daryl Becker</u> Company: <u>TA</u> Date: <u>6/27/16</u> Time: <u>16:22</u>          | Received By: <u>Theresa...</u> Company: <u>TA</u> Date: <u>6/27/16</u> Time: <u>16:22</u>   | Shipped: _____         |
| Relinquished By: _____   | Received By: _____  | 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: \_\_\_\_\_



**Login Sample Receipt Checklist**

Client: CDM Smith, Inc.

Job Number: 500-113606-1

Login Number: 113606

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

| Question  | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is <math>\leq</math> 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   | 4.8     |
| 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 (excluding tests with immediate HTs)                       | 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 <math><6\text{mm}</math> (1/4"). | N/A    |         |
| Multiphasic samples are not present.  | True   |         |
| Samples do not require splitting or compositing.  | True   |         |
| Residual Chlorine Checked.  | N/A    |         |

# CDM Smith Groundwater 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: | Total Volume Removed:        |
| Well Total Depth       | Original DTW         | 4"=0.66<br>5"=0.93<br>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 (µmhos/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                     | -99.8 | 474           |             |
| 10:35       |                         | 10.38           | 7.62 | 1.595                  | .50                     | -89.5 | 148           |             |
| 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       | SAMPLE                  |                 |      |                        |                         |       |               |             |
|             |                         |                 |      |                        |                         |       |               |             |
|             |                         |                 |      |                        |                         |       |               |             |
|             |                         |                 |      |                        |                         |       |               |             |

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: <u>Wedron, IL</u>  |                         |                 |                      | SAMPLE ID: <u>MW-13</u>        |                         |                       |               |             |
| DATE: <u>4/9/14</u>  |                         |                 |                      | SAMPLED BY:                    |                         |                       |               |             |
| EQUIPMENT DECONTAMINATED: YES  |                         |                 |                      | PURGE START TIME: <u>13:10</u> |                         |                       |               |             |
| 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              | Casing Volume                  |                         | Purge Volume          |               |             |
|  |                         |                 | 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 (mS/cm)            | Dissolved oxygen (mg/L) | ORP                   | Turbidity NTU | Description |
| 13:15  |                         | 13.46           | 7.09                 | 1.147                          | 1.71                    | -74.4                 | no            | turbid      |
| 13:20  |                         | 13.54           | 7.07                 | 1.155                          | 1.39                    | -75.2                 |               | turbid      |
| 13:25  |                         | 13.52           | 7.07                 | 1.154                          | 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  | SAMPLE                  |                 |                      |                                |                         |                       |               |             |
| Average Purge Rate: <u>400 ml/m</u> Total Time:  |                         |                 |                      |                                |                         |                       |               |             |
| Laboratory Analysis: <u>VOCs, SVOCs, lead</u>  |                         |                 |                      |                                |                         |                       |               |             |
| Total number of bottles: <u>6</u>  |                         |                 |                      |                                |                         |                       |               |             |
| Comments:  |                         |                 |                      |                                |                         |                       |               |             |
| QC Sample Collected? Yes (X) No ( ) IF YES, then type of sample and sample ID: <u>MS/M50</u> |                         |                 |                      |                                |                         |                       |               |             |



GROUNDWATER MONITORING WELL PURGING AND SAMPLING LOG

|                               |                         |
|-------------------------------|-------------------------|
| PROJECT NO.: 101127           | SAMPLE LOCATION:        |
| PROJECT NAME: Woodron, 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 Depth       | 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 (µS/cm) MS/CM | Dissolved oxygen (mg/L) | ORP   | Turbidity NTU | Description |
|-------------|-------------------------|-----------------|------|---------------------------|-------------------------|-------|---------------|-------------|
| 11:25       |                         | 13.33           | 7.18 | 1.007                     | .51                     | -75.9 | turbid        | over range  |
| 11:30       |                         | 13.42           | 7.17 | 1.011                     | .40                     | -78.2 | turbid        |             |
| 11:35       |                         | 13.85           | 7.15 | 1.022                     | .28                     | -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: 100 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 ( ) 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<br>5"=0.93<br>6"=1.5 |                          | Casing Volume         |               | Purge Volume |  |
| _____ = _____ x _____ = _____ X 3 caso 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                        | 2.64                     | -100.6                | 9.99          |              |  |
| 8:55   |                         | 7.79            | 7.32                 | 1.048                        | 1.97                     | -100.7                | 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          |              |  |
| <del>9:15</del>  |                         | <del>8.06</del> | <del>7.26</del>      | <del>1.007</del>             |                          |                       |               |              |  |
| 9:20   | SAMPLE                  |                 |                      |                              |                          |                       |               |              |  |
| 9:35   |                         | 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 (X) If YES, then type of sample and sample ID: |                         |                 |                      |                              |                          |                       |               |              |  |

## CDM Smith Groundwater Data (2016)





# 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: 500-113722-1  
Client Project/Site: Wedron CSIR(101127)

For:  
CDM Smith, Inc.  
125 South Wacker Drive  
Suite 600  
Chicago, Illinois 60606

Attn: Chris Albrecht



Authorized for release by:  
7/13/2016 12:26:33 PM

Jim Knapp, Project Manager II  
(630)758-0262  
jim.knapp@testamericainc.com

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

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Client: CDM Smith, Inc.  
Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

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**Job ID: 500-113722-1**

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**Laboratory: TestAmerica Chicago**

**Narrative**

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**Job Narrative**  
**500-113722-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/29/2016 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

**GC/MS VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**GC/MS Semi VOA**

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.



# Sample Summary

Client: CDM Smith, Inc.  
Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

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| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-113722-1  | MW-22            | Water  | 06/29/16 09:40 | 06/29/16 13:50 |
| 500-113722-2  | MW-23            | Water  | 06/29/16 10:20 | 06/29/16 13:50 |

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Client Sample Results

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

Client Sample ID: MW-22  
 Date Collected: 06/29/16 09:40  
 Date Received: 06/29/16 13:50

Lab Sample ID: 500-113722-1  
 Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte                      | Result           | Qualifier        | RL            | MDL     | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|------------------------------|------------------|------------------|---------------|---------|------|---|-----------------|-----------------|----------------|
| Benzene                      | 0.023            |                  | 0.0025        | 0.00073 | mg/L |   |                 | 07/04/16 06:55  | 5              |
| Ethylbenzene                 | 0.024            |                  | 0.0025        | 0.00092 | mg/L |   |                 | 07/04/16 06:55  | 5              |
| Toluene                      | 0.046            |                  | 0.0025        | 0.00076 | mg/L |   |                 | 07/04/16 06:55  | 5              |
| Xylenes, Total               | 0.39             |                  | 0.0050        | 0.0011  | mg/L |   |                 | 07/04/16 06:55  | 5              |
| <b>Surrogate</b>             | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |         |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr)  | 103              |                  | 71 - 120      |         |      |   |                 | 07/04/16 06:55  | 5              |
| Dibromofluoromethane         | 89               |                  | 70 - 120      |         |      |   |                 | 07/04/16 06:55  | 5              |
| 1,2-Dichloroethane-d4 (Surr) | 84               |                  | 71 - 127      |         |      |   |                 | 07/04/16 06:55  | 5              |
| Toluene-d8 (Surr)            | 99               |                  | 75 - 120      |         |      |   |                 | 07/04/16 06:55  | 5              |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte                | Result           | Qualifier        | RL            | MDL      | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|------------------------|------------------|------------------|---------------|----------|------|---|-----------------|-----------------|----------------|
| Acenaphthene           | <0.00076         |                  | 0.00076       | 0.00024  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Acenaphthylene         | <0.00076         |                  | 0.00076       | 0.00020  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Anthracene             | <0.00076         |                  | 0.00076       | 0.00026  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Benzo[a]anthracene     | <0.00012         |                  | 0.00012       | 0.000043 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Benzo[a]pyrene         | <0.00015         |                  | 0.00015       | 0.000076 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Benzo[b]fluoranthene   | <0.00015         |                  | 0.00015       | 0.000062 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Benzo[g,h,i]perylene   | <0.00076         |                  | 0.00076       | 0.00029  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Benzo[k]fluoranthene   | <0.00015         |                  | 0.00015       | 0.000049 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Chrysene               | <0.00038         |                  | 0.00038       | 0.000052 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Dibenz(a,h)anthracene  | <0.00023         |                  | 0.00023       | 0.000039 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Fluoranthene           | <0.00076         |                  | 0.00076       | 0.00035  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Fluorene               | <0.00076         |                  | 0.00076       | 0.00019  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Indeno[1,2,3-cd]pyrene | <0.00015         |                  | 0.00015       | 0.000057 | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Naphthalene            | 0.011            |                  | 0.00076       | 0.00024  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Phenanthrene           | <0.00076         |                  | 0.00076       | 0.00023  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Pyrene                 | <0.00076         |                  | 0.00076       | 0.00033  | mg/L |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| <b>Surrogate</b>       | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |          |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 2-Fluorobiphenyl       | 69               |                  | 30 - 123      |          |      |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Nitrobenzene-d5        | 72               |                  | 33 - 139      |          |      |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |
| Terphenyl-d14          | 106              |                  | 42 - 150      |          |      |   | 06/30/16 15:32  | 07/07/16 18:14  | 1              |

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**Client Sample ID: MW-23**

**Lab Sample ID: 500-113722-2**

Date Collected: 06/29/16 10:20

Matrix: Water

Date Received: 06/29/16 13:50

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte        | Result   | Qualifier | RL      | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|---------|------|---|----------|----------------|---------|
| Benzene        | <0.00050 |           | 0.00050 | 0.00015 | mg/L |   |          | 07/04/16 07:22 | 1       |
| Ethylbenzene   | <0.00050 |           | 0.00050 | 0.00018 | mg/L |   |          | 07/04/16 07:22 | 1       |
| Toluene        | <0.00050 |           | 0.00050 | 0.00015 | mg/L |   |          | 07/04/16 07:22 | 1       |
| Xylenes, Total | <0.0010  |           | 0.0010  | 0.00022 | mg/L |   |          | 07/04/16 07:22 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101       |           | 71 - 120 |          | 07/04/16 07:22 | 1       |
| Dibromofluoromethane         | 89        |           | 70 - 120 |          | 07/04/16 07:22 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 84        |           | 71 - 127 |          | 07/04/16 07:22 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 75 - 120 |          | 07/04/16 07:22 | 1       |

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

| Analyte                | Result   | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Acenaphthene           | <0.00076 |           | 0.00076 | 0.00024  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Acenaphthylene         | <0.00076 |           | 0.00076 | 0.00020  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Anthracene             | <0.00076 |           | 0.00076 | 0.00025  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Benzo[a]anthracene     | <0.00012 |           | 0.00012 | 0.000043 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Benzo[a]pyrene         | <0.00015 |           | 0.00015 | 0.000075 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Benzo[b]fluoranthene   | <0.00015 |           | 0.00015 | 0.000062 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Benzo[g,h,i]perylene   | <0.00076 |           | 0.00076 | 0.00029  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Benzo[k]fluoranthene   | <0.00015 |           | 0.00015 | 0.000049 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Chrysene               | <0.00038 |           | 0.00038 | 0.000052 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Dibenz(a,h)anthracene  | <0.00023 |           | 0.00023 | 0.000039 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Fluoranthene           | <0.00076 |           | 0.00076 | 0.00035  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Fluorene               | <0.00076 |           | 0.00076 | 0.00019  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.00015 |           | 0.00015 | 0.000057 | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Naphthalene            | <0.00076 |           | 0.00076 | 0.00024  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Phenanthrene           | <0.00076 |           | 0.00076 | 0.00023  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Pyrene                 | <0.00076 |           | 0.00076 | 0.00033  | mg/L |   | 06/30/16 15:32 | 07/07/16 18:40 | 1       |

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 70        |           | 30 - 123 | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Nitrobenzene-d5  | 81        |           | 33 - 139 | 06/30/16 15:32 | 07/07/16 18:40 | 1       |
| Terphenyl-d14    | 105       |           | 42 - 150 | 06/30/16 15:32 | 07/07/16 18:40 | 1       |



Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

## 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  |
| 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)   |

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**GC/MS VOA**

**Analysis Batch: 342334**

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 500-113722-1     | MW-22              | Total/NA  | Water  | 8260B  |            |
| 500-113722-2     | MW-23              | Total/NA  | Water  | 8260B  |            |
| LCS 500-342334/4 | Lab Control Sample | Total/NA  | Water  | 8260B  |            |
| MB 500-342334/6  | Method Blank       | Total/NA  | Water  | 8260B  |            |

**GC/MS Semi VOA**

**Prep Batch: 342110**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-113722-1        | MW-22                  | Total/NA  | Water  | 3510C  |            |
| 500-113722-2        | MW-23                  | Total/NA  | Water  | 3510C  |            |
| LCS 500-342110/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 500-342110/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| MB 500-342110/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |

**Analysis Batch: 342621**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCS 500-342110/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270D  | 342110     |
| LCSD 500-342110/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270D  | 342110     |
| MB 500-342110/1-A   | Method Blank           | Total/NA  | Water  | 8270D  | 342110     |

**Analysis Batch: 342856**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-113722-1  | MW-22            | Total/NA  | Water  | 8270D  | 342110     |
| 500-113722-2  | MW-23            | Total/NA  | Water  | 8270D  | 342110     |

**Surrogate Summary**

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID    | Client Sample ID   | BFB<br>(71-120) | DBFM<br>(70-120) | 12DCE<br>(71-127) | TOL<br>(75-120) |
|------------------|--------------------|-----------------|------------------|-------------------|-----------------|
| 500-113722-1     | MW-22              | 103             | 89               | 84                | 99              |
| 500-113722-2     | MW-23              | 101             | 89               | 84                | 101             |
| LCS 500-342334/4 | Lab Control Sample | 98              | 89               | 80                | 101             |
| MB 500-342334/6  | Method Blank       | 101             | 89               | 83                | 100             |

**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

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | FBP<br>(30-123) | NBZ<br>(33-139) | TPH<br>(42-150) |
|---------------------|------------------------|-----------------|-----------------|-----------------|
| 500-113722-1        | MW-22                  | 69              | 72              | 106             |
| 500-113722-2        | MW-23                  | 70              | 81              | 105             |
| LCS 500-342110/2-A  | Lab Control Sample     | 61              | 67              | 85              |
| LCSD 500-342110/3-A | Lab Control Sample Dup | 73              | 79              | 93              |
| MB 500-342110/1-A   | Method Blank           | 65              | 70              | 92              |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl  
 NBZ = Nitrobenzene-d5  
 TPH = Terphenyl-d14



Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Lab Sample ID: MB 500-342334/6  
 Matrix: Water  
 Analysis Batch: 342334

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 | 0.00015 | mg/L |   |          | 07/03/16 23:20 | 1       |
| Ethylbenzene   | <0.00050  |              | 0.00050 | 0.00018 | mg/L |   |          | 07/03/16 23:20 | 1       |
| Toluene        | <0.00050  |              | 0.00050 | 0.00015 | mg/L |   |          | 07/03/16 23:20 | 1       |
| Xylenes, Total | <0.0010   |              | 0.0010  | 0.00022 | mg/L |   |          | 07/03/16 23:20 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101          |              | 71 - 120 |          | 07/03/16 23:20 | 1       |
| Dibromofluoromethane         | 89           |              | 70 - 120 |          | 07/03/16 23:20 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 83           |              | 71 - 127 |          | 07/03/16 23:20 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 75 - 120 |          | 07/03/16 23:20 | 1       |

Lab Sample ID: LCS 500-342334/4  
 Matrix: Water  
 Analysis Batch: 342334

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      | 0.0480     |               | mg/L |   | 96   | 70 - 125     |
| Ethylbenzene   | 0.0500      | 0.0481     |               | mg/L |   | 96   | 70 - 125     |
| Toluene        | 0.0500      | 0.0477     |               | mg/L |   | 95   | 70 - 125     |
| Xylenes, Total | 0.100       | 0.0912     |               | mg/L |   | 91   | 70 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 98            |               | 71 - 120 |
| Dibromofluoromethane         | 89            |               | 70 - 120 |
| 1,2-Dichloroethane-d4 (Surr) | 80            |               | 71 - 127 |
| Toluene-d8 (Surr)            | 101           |               | 75 - 120 |

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Lab Sample ID: MB 500-342110/1-A  
 Matrix: Water  
 Analysis Batch: 342621

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 342110

| Analyte                | MB Result | MB Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|---------|----------|------|---|----------------|----------------|---------|
| Acenaphthene           | <0.00080  |              | 0.00080 | 0.00025  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Acenaphthylene         | <0.00080  |              | 0.00080 | 0.00021  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Anthracene             | <0.00080  |              | 0.00080 | 0.00027  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Benzo[a]anthracene     | <0.00013  |              | 0.00013 | 0.000045 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Benzo[a]pyrene         | <0.00016  |              | 0.00016 | 0.000079 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Benzo[b]fluoranthene   | <0.00016  |              | 0.00016 | 0.000065 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Benzo[g,h,i]perylene   | <0.00080  |              | 0.00080 | 0.00030  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Benzo[k]fluoranthene   | <0.00016  |              | 0.00016 | 0.000051 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Chrysene               | <0.00040  |              | 0.00040 | 0.000055 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Dibenz[a,h]anthracene  | <0.00024  |              | 0.00024 | 0.000041 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Fluoranthene           | <0.00080  |              | 0.00080 | 0.00036  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Fluorene               | <0.00080  |              | 0.00080 | 0.00020  | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.00016  |              | 0.00016 | 0.000060 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-342110/1-A  
 Matrix: Water  
 Analysis Batch: 342621

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 342110

| Analyte      | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Naphthalene  | <0.00080  |              | 0.00080 | 0.00025 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Phenanthrene | <0.00080  |              | 0.00080 | 0.00024 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Pyrene       | <0.00080  |              | 0.00080 | 0.00034 | mg/L |   | 06/30/16 15:32 | 07/07/16 00:19 | 1       |

| Surrogate        | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 65           |              | 30 - 123 | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Nitrobenzene-d5  | 70           |              | 33 - 139 | 06/30/16 15:32 | 07/07/16 00:19 | 1       |
| Terphenyl-d14    | 92           |              | 42 - 150 | 06/30/16 15:32 | 07/07/16 00:19 | 1       |

Lab Sample ID: LCS 500-342110/2-A  
 Matrix: Water  
 Analysis Batch: 342621

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 342110

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|------------------------|-------------|------------|---------------|------|---|------|----------|
| Acenaphthene           | 0.0320      | 0.0198     |               | mg/L |   | 62   | 41 - 112 |
| Acenaphthylene         | 0.0320      | 0.0182     |               | mg/L |   | 57   | 48 - 110 |
| Anthracene             | 0.0320      | 0.0242     |               | mg/L |   | 76   | 65 - 118 |
| Benzo[a]anthracene     | 0.0320      | 0.0263     |               | mg/L |   | 82   | 69 - 121 |
| Benzo[a]pyrene         | 0.0320      | 0.0278     |               | mg/L |   | 87   | 69 - 130 |
| Benzo[b]fluoranthene   | 0.0320      | 0.0301     |               | mg/L |   | 94   | 66 - 133 |
| Benzo[g,h,i]perylene   | 0.0320      | 0.0268     |               | mg/L |   | 84   | 47 - 145 |
| Benzo[k]fluoranthene   | 0.0320      | 0.0261     |               | mg/L |   | 82   | 64 - 134 |
| Chrysene               | 0.0320      | 0.0261     |               | mg/L |   | 82   | 70 - 126 |
| Dibenz[a,h]anthracene  | 0.0320      | 0.0302     |               | mg/L |   | 94   | 59 - 145 |
| Fluoranthene           | 0.0320      | 0.0268     |               | mg/L |   | 84   | 68 - 127 |
| Fluorene               | 0.0320      | 0.0208     |               | mg/L |   | 65   | 54 - 113 |
| Indeno[1,2,3-cd]pyrene | 0.0320      | 0.0290     |               | mg/L |   | 91   | 52 - 150 |
| Naphthalene            | 0.0320      | 0.0158     |               | mg/L |   | 49   | 32 - 110 |
| Phenanthrene           | 0.0320      | 0.0248     |               | mg/L |   | 77   | 63 - 121 |
| Pyrene                 | 0.0320      | 0.0257     |               | mg/L |   | 80   | 65 - 122 |

| Surrogate        | LCS %Recovery | LCS Qualifier | Limits   |
|------------------|---------------|---------------|----------|
| 2-Fluorobiphenyl | 61            |               | 30 - 123 |
| Nitrobenzene-d5  | 67            |               | 33 - 139 |
| Terphenyl-d14    | 85            |               | 42 - 150 |

Lab Sample ID: LCSD 500-342110/3-A  
 Matrix: Water  
 Analysis Batch: 342621

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 342110

| Analyte              | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
|----------------------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| Acenaphthene         | 0.0320      | 0.0241      |                | mg/L |   | 75   | 41 - 112 | 20  | 20    |
| Acenaphthylene       | 0.0320      | 0.0216      |                | mg/L |   | 67   | 48 - 110 | 17  | 20    |
| Anthracene           | 0.0320      | 0.0253      |                | mg/L |   | 79   | 65 - 118 | 4   | 20    |
| Benzo[a]anthracene   | 0.0320      | 0.0280      |                | mg/L |   | 88   | 69 - 121 | 6   | 20    |
| Benzo[a]pyrene       | 0.0320      | 0.0300      |                | mg/L |   | 94   | 69 - 130 | 8   | 20    |
| Benzo[b]fluoranthene | 0.0320      | 0.0321      |                | mg/L |   | 100  | 66 - 133 | 6   | 20    |
| Benzo[g,h,i]perylene | 0.0320      | 0.0285      |                | mg/L |   | 89   | 47 - 145 | 6   | 20    |

TestAmerica Chicago

QC Sample Results

Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-342110/3-A  
 Matrix: Water  
 Analysis Batch: 342621

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 342110

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits   | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----------|
| Benzo[k]fluoranthene   | 0.0320      | 0.0284      |                | mg/L |   | 89   | 64 - 134 | 9   | 20        |
| Chrysene               | 0.0320      | 0.0280      |                | mg/L |   | 88   | 70 - 126 | 7   | 20        |
| Dibenz(a,h)anthracene  | 0.0320      | 0.0324      |                | mg/L |   | 101  | 59 - 145 | 7   | 20        |
| Fluoranthene           | 0.0320      | 0.0286      |                | mg/L |   | 89   | 68 - 127 | 6   | 20        |
| Fluorene               | 0.0320      | 0.0246      |                | mg/L |   | 77   | 54 - 113 | 17  | 20        |
| Indeno[1,2,3-cd]pyrene | 0.0320      | 0.0310      |                | mg/L |   | 97   | 52 - 150 | 7   | 20        |
| Naphthalene            | 0.0320      | 0.0178      |                | mg/L |   | 56   | 32 - 110 | 12  | 20        |
| Phenanthrene           | 0.0320      | 0.0271      |                | mg/L |   | 85   | 63 - 121 | 9   | 20        |
| Pyrene                 | 0.0320      | 0.0276      |                | mg/L |   | 86   | 65 - 122 | 7   | 20        |

| Surrogate        | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------|----------------|----------------|----------|
| 2-Fluorobiphenyl | 73             |                | 30 - 123 |
| Nitrobenzene-d5  | 79             |                | 33 - 139 |
| Terphenyl-d14    | 93             |                | 42 - 150 |



Client: CDM Smith, Inc.  
 Project/Site: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**Client Sample ID: MW-22**

**Lab Sample ID: 500-113722-1**

Date Collected: 06/29/16 09:40

Matrix: Water

Date Received: 06/29/16 13:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260B        |     | 5               | 342334       | 07/04/16 06:55       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3510C        |     |                 | 342110       | 06/30/16 15:32       | JP1     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342856       | 07/07/16 18:14       | GES     | TAL CHI |

**Client Sample ID: MW-23**

**Lab Sample ID: 500-113722-2**

Date Collected: 06/29/16 10:20

Matrix: Water

Date Received: 06/29/16 13:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 342334       | 07/04/16 07:22       | PMF     | TAL CHI |
| Total/NA  | Prep       | 3510C        |     |                 | 342110       | 06/30/16 15:32       | JP1     | TAL CHI |
| Total/NA  | Analysis   | 8270D        |     | 1               | 342856       | 07/07/16 18:40       | GES     | 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: Wedron CSIR(101127)

TestAmerica Job ID: 500-113722-1

**Laboratory: TestAmerica Chicago**

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Illinois  | NELAP   | 5          | 100201           | 04-30-17        |

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Electronic Filing: Received Clerk's Office 7/27/2017

## Chain of Custody Record

Lab Job #: 500-113722

Chain of Custody Number: \_\_\_\_\_

Page 1 of 1

Temperature °C of Cooler: 47

17-54) R. 350

| Client Name<br><b>CDM SMITH</b>            |            | Client Project #               |      | Preservative    |        |      |      |  |  |  |  |  |  |  |  |  |  | Preservative Key<br>1. HCL, Cool to 4° |  |             |
|--|------------|--------------------------------|------|-----------------|--------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|-------------|
| Project Name<br><b>WEDRON CSIR</b>         |            |                                |      | Parameter       |        |      |      |  |  |  |  |  |  |  |  |  |  | 4°                                     |  |             |
| Project Location/State<br><b>WEDRON IL</b> |            | Lab Project #<br><b>101127</b> |      |                 |        |      |      |  |  |  |  |  |  |  |  |  |  | "500-113722" COC                       |  |             |
| Sampler<br><b>CDM SMITH</b>                |            | Lab PM                         |      |                 |        |      |      |  |  |  |  |  |  |  |  |  |  | Comments                               |  |             |
| Illinois Regulatory MS/MSD                 | Sample ID  | Sampling                       |      | # of Containers | Matrix | BTEX | PNAS |  |  |  |  |  |  |  |  |  |  |  |  |             |
|  |            | Date                           | Time |                 |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |             |
| 1  | MW-22      | 6/29/16                        | 0940 | 5               | W      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |             |
| 2  | MW-23      | 6/29/16                        | 1020 | 5               | W      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |             |
| 3  | Trip Blank |                                |      |                 |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  | Added by TA |

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<br><i>Chris Albrecht</i> | Company<br><b>CDM Smith</b> | Date<br><b>6-29-16</b> | Time<br><b>13:50</b> | Received By<br><i>TA</i> | Company<br><b>TA</b> | Date<br><b>6/29/16</b> | Time<br><b>1350</b> | Lab Courier    |                                     |
| Relinquished By                          | Company                     | Date                   | Time                 | Received By              | Company              | Date                   | Time                | Shipped        |                                     |
| Relinquished By                          | Company                     | Date                   | Time                 | Received By              | Company              | Date                   | Time                | Hand Delivered | <input checked="" type="checkbox"/> |

- 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

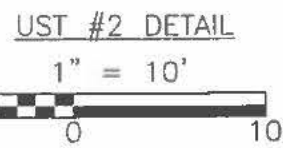
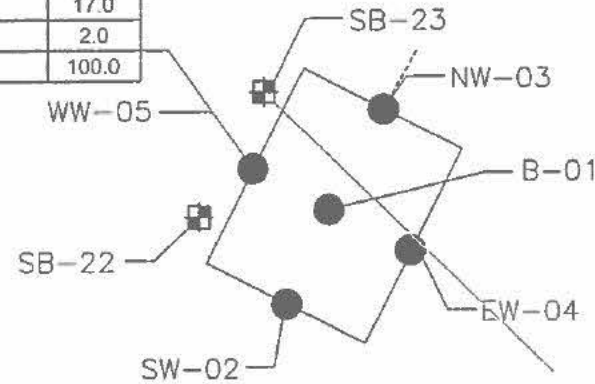
Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



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| WW-05 (3 ft) | CONC. |
|--------------|-------|
| Benzene      | 0.89  |
| Ethylbenzene | 17.0  |
| Naphthalene  | 2.0   |
| Zylenes      | 100.0 |



| SB-23   | DEPTH   | CONC. |
|---------|---------|-------|
| Benzene | 2'-3'   | 0.52  |
| Benzene | 7'-8'   | BDL   |
| Benzene | 11'-12' | <0.30 |
| Benzene | 14'-15' | <0.27 |

| WGS-GP05 (2.5 ft) | CONC. |
|-------------------|-------|
| Benzene           | 0.77  |
| Ethylbenzene      | 30    |
| Xylenes, Total    | 280   |

| GP-11B (17-19 ft)   | CONC. |
|---------------------|-------|
| Benzene             | <0.14 |
| Ethylbenzene        | 160   |
| Toluene             | 39    |
| Xylenes, Total      | 940   |
| 2-Methylnaphthalene | 20    |
| Naphthalene         | 16    |

**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
- SW-02 UST CONFIRMATORY SAMPLES
- B-22 CDM SMITH 2016 GEOPROBE BORING/MONITORING WELLS
- IR PROPERTY BOUNDARY
- RAILROAD TRACKS
- STREET BOUNDARIES

**NOTE:**

1. ALL RESULTS ARE EXPRESSED IN mg/kg.

BDL= BELOW DETECTION LIMIT

| SB-22   | DEPTH   | CONC. |
|---------|---------|-------|
| Benzene | 2'-3'   | 0.47  |
| Benzene | 6'-7'   | BDL   |
| Benzene | 10'-11' | <0.28 |
| Benzene | 13'-14' | BDL   |
| Benzene | 17'-18' | BDL   |
| Benzene | 22'-23' | 0.30  |

| GP-03 (3-4 ft) | CONC. |
|----------------|-------|
| Benzene        | 1.14  |

| WS-2-3 (11-12 ft) | CONC. |
|-------------------|-------|
| Benzene           | <0.1  |
| Ethylbenzene      | 75    |
| Xylenes, Total    | 230   |

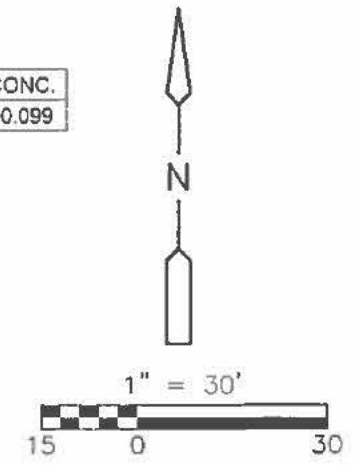
| GP-06B (18-20 ft)   | CONC. |
|---------------------|-------|
| Benzene             | <0.13 |
| 2-Methylnaphthalene | 2.2   |

| WS-8-3 (19-20 ft) | CONC. |
|-------------------|-------|
| Benzene           | 0.058 |
| Xylenes, Total    | 21    |

| PP-01 (3 ft) | CONC. |
|--------------|-------|
| Benzene      | 0.49  |

| GP-07A (4-6 ft)  | CONC. |
|------------------|-------|
| Benzene          | <1.6  |
| GP-07B (8-10 ft) | CONC. |
| Benzene          | <1.5  |
| Xylenes, Total   | 9.2   |

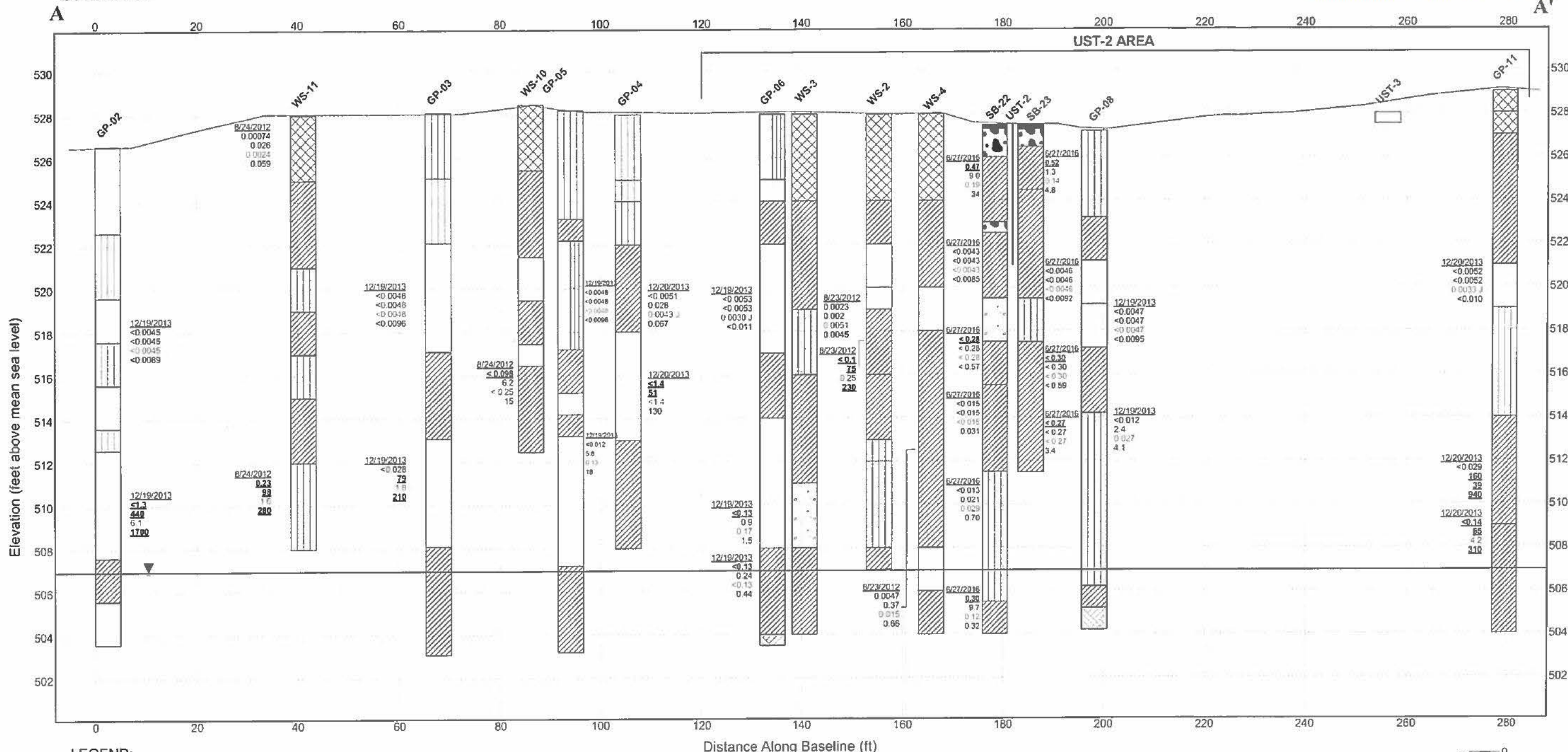
| WS-5-3 (10.5 ft) | CONC.  |
|------------------|--------|
| Benzene          | <0.099 |



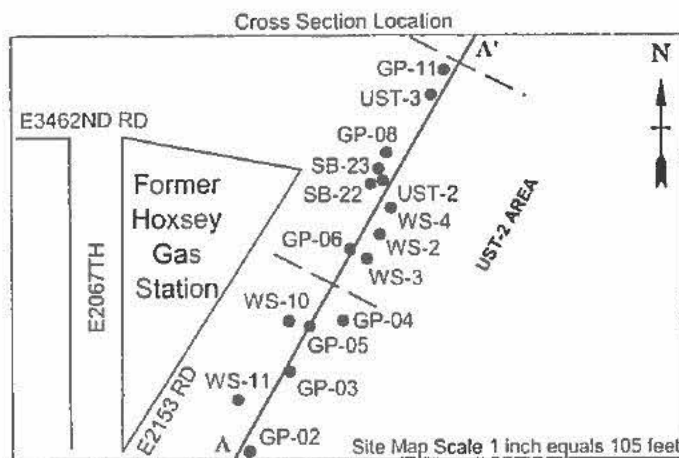
**FIGURE 3**  
 UST #2-SOIL IMPACTS  
 ILLINOIS RAILWAY  
 WEDRON, IL



Southwest



LEGEND:



- USCS Poorly-graded Sand
- USCS Silt
- USCS Low Plasticity Clay
- USCS Silty Sand
- USCS Poorly-graded Sand with Silt
- USCS Low Plasticity Organic silt or clay
- Bedrock
- Fill (made ground)
- USCS Low Plasticity Sandy Clay
- Asphalt
- USCS Well-graded Gravel
- USCS Well-graded Sand

**Soil Sample Results**

- Benzene
  - Toluene
  - Ethylbenzene
  - Xylenes
- All results in milligrams per kilogram (mg/kg)  
 J: Indicates an estimated concentration  
 <: Result is less than value shown  
**BOLD and Underline indicate exceedance of applicable standard.**

- Ground Surface
- Approximate groundwater level 507 ft amsl

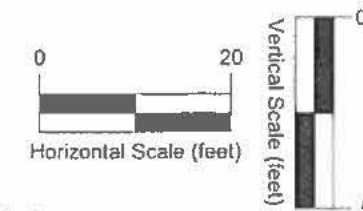


Figure 4  
 Cross Section  
 Illinois Railway Property  
 Wedron, IL

STANDARD CROSS SECTION: WEDRON ILL RAILWAY.GPJ STANDARD\_ENVIRONMENTAL\_PROJECT\_NOV2014.GDT 9/2/15 REV



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 C:\CDM\IR\GRO\FIGURE5.DWG

**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
- MW-22 ⊕ CDM SMITH BORING/MONITORING WELLS
- 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.

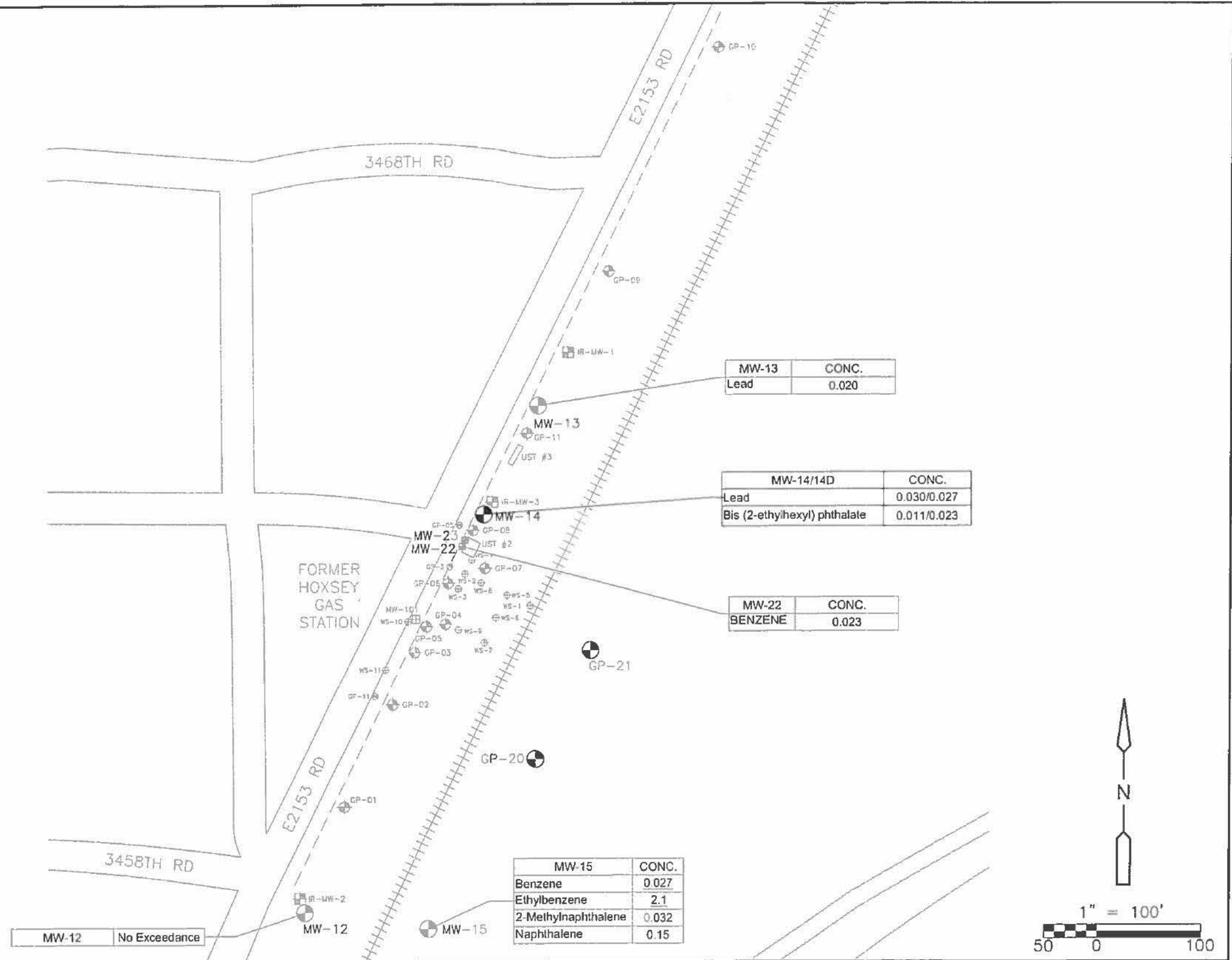


FIGURE 5  
TACO TIER 1 GROUNDWATER EXCEEDANCES  
ILLINOIS RAILWAY PROPERTY  
WEDRON, IL



**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-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-11A (8-10') | GP-11B (17-19') | GP-11B (17-19')D | GP-13A (8-10') | GP-13A (8-10')D | GP-13B (10-12') | GP-14A (8-10') | GP-14B (16-18') |         |
| Analyte                             | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg               | mg/Kg      | 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         | 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       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,1,2,2-Tetrachloroethane           | 8200                              | 2000       | 0.22    | 0.22     | 2000                | 2000       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,1,2-Trichloroethane               | 8200                              | 1800       | 0.02    | 0.3      | 8200                | 1800       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,1-Dichloroethane                  | 200000                            | 1700       | 23      | 110      | 200000              | 130        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,1-Dichloroethene                  | 100000                            | 470        | 0.06    | 0.3      | 10000               | 3          | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,2-Dichloroethane                  | 63                                | 0.7        | 0.02    | 0.1      | 1400                | 0.99       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,2-Dichloropropane                 | 84                                | 23         | 0.03    | 0.15     | 1800                | 0.5        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 1,3-Dichloropropene, Total          | 57                                | 2.1        | 0.004   | 0.02     | 1200                | 0.39       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| 2-Hexanone                          | NRO                               | NRO        | NRO     | NRO      | NRO                 | NRO        | <0.0053        | <2.7            | <2.5             | <32           | <30            | <0.25           | <0.0047        | <0.24           | <0.0052        | <0.57           | <2.9             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.58           |         |
| Acetone                             | NRO                               | 100000     | 25      | 25       | NRO                 | 100000     | 0.028          | <2.7            | <2.5             | <32           | <30            | <0.25           | 0.0069         | <0.24           | 0.012          | <0.57           | <2.9             | <0.0045        | 0.0056          | <0.0053         | <0.0047        | <0.58           |         |
| Benzene                             | 100                               | 1.6        | 0.03    | 0.17     | 2300                | 2.2        | <0.0053        | <0.13           | <0.13            | <1.6          | <1.5           | <0.012          | <0.0047        | <0.012          | <0.0052        | <0.029          | <0.14            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.029          |         |
| Bromodichloromethane                | 92                                | 3000       | 0.6     | 0.6      | 2000                | 3000       | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Bromoform                           | 720                               | 100        | 0.8     | 0.8      | 16000               | 140        | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Bromomethane                        | 2900                              | 15         | 0.2     | 1.2      | 1000                | 3.9        | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Carbon disulfide                    | 200000                            | 720        | 32      | 160      | 20000               | 9          | <0.0053        | <2.7            | <2.5             | <32           | <30            | <0.25           | <0.0047        | <0.24           | <0.0052        | <0.57           | <2.9             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.58           |         |
| Carbon tetrachloride                | 44                                | 0.64       | 0.07    | 0.33     | 410                 | 0.9        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Chlorobenzene                       | 41000                             | 210        | 1       | 6.5      | 4100                | 1.3        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Chloroethane                        | NRO                               | 1500       | NRO     | NRO      | NRO                 | 97         | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Chloroform                          | 940                               | 0.54       | 0.6     | 2.9      | 2000                | 0.76       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Chloromethane                       | NRO                               | 180        | NRO     | NRO      | NRO                 | 11         | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| cis-1,2-Dichloroethene              | 20000                             | 1200       | 0.4     | 1.1      | 20000               | 1200       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| cis-1,3-Dichloropropene             | NRO                               | NRO        | NRO     | NRO      | NRO                 | NRO        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Dibromochloromethane                | 41000                             | 1300       | 0.4     | 0.4      | 41000               | 1300       | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Ethylbenzene                        | 200000                            | 400        | 13      | 19       | 20000               | 58         | <0.0053        | 0.9             | 0.24             | <1.6          | 8.4            | 3.7             | <0.0047        | 2.4             | <0.0052        | <b>160</b>      | <b>65</b>        | <0.0045        | <0.0055         | <0.0053         | <0.0047        | 0.53            |         |
| Methyl Ethyl Ketone                 | 1000000                           | 21000      | 17      | 17       | 120000              | 140        | 0.0072         | <2.7            | <2.5             | <32           | <30            | <0.25           | <0.0047        | <0.24           | <0.0052        | <0.57           | <2.9             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.58           |         |
| methyl isobutyl ketone              | NRO                               | 3100       | NRO     | NRO      | NRO                 | 340        | <0.0053        | <2.7            | <2.5             | <32           | <30            | <0.25           | <0.0047        | <0.24           | <0.0052        | <0.57           | <2.9             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.58           |         |
| Methyl tert-butyl ether             | 20000                             | 8800       | 0.32    | 0.32     | 2000                | 140        | <0.0053        | <1.1            | <1.0             | <13           | <12            | <0.099          | <0.0047        | <0.094          | <0.0052        | <0.23           | <1.1             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.23           |         |
| Methylene Chloride                  | 760                               | 24         | 0.02    | 0.2      | 12000               | 34         | <0.0053        | <2.7            | <2.5             | <32           | <30            | <0.25           | <0.0047        | <0.24           | <0.0052        | <0.57           | <2.9             | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.58           |         |
| Styrene                             | 410000                            | 1500       | 4       | 18       | 41000               | 430        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Tetrachloroethene                   | 110                               | 20         | 0.06    | 0.3      | 2400                | 28         | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Toluene                             | 410000                            | 650        | 12      | 29       | 410000              | 42         | 0.0030 J       | 0.17            | <0.13            | <1.6          | <1.5           | 0.016           | <0.0047        | 0.027           | 0.0033 J       | <b>39</b>       | 4.2              | <0.0045        | <0.0055         | <0.0053         | <0.0047        | 0.069           |         |
| trans-1,2-Dichloroethene            | 41000                             | 3100       | 0.7     | 3.4      | 41000               | 3100       | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| trans-1,3-Dichloropropene           | NRO                               | NRO        | NRO     | NRO      | NRO                 | NRO        | <0.0053        | <0.53           | <0.51            | <6.5          | <6.1           | <0.049          | <0.0047        | <0.047          | <0.0052        | <0.11           | <0.57            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.12           |         |
| Trichloroethene                     | 520                               | 8.9        | 0.06    | 0.3      | 1200                | 12         | <0.0053        | <0.27           | <0.25            | <3.2          | <3.0           | <0.025          | <0.0047        | <0.024          | <0.0052        | <0.057          | <0.29            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.058          |         |
| Vinyl chloride                      | 7.9                               | 1.1        | 0.01    | 0.07     | 170                 | 1.1        | <0.0053        | <0.13           | <0.13            | <1.6          | <1.5           | <0.012          | <0.0047        | <0.012          | <0.0052        | <0.029          | <0.14            | <0.0045        | <0.0055         | <0.0053         | <0.0047        | <0.029          |         |
| Xylenes, Total                      | 410000                            | 320        | 150     | 150      | 41000               | 5.6        | <0.011         | 1.5             | 0.44             | <3.2          | <b>9.2</b>     | 5.3             | <0.0095        | 4.1             | <0.010         | <b>940</b>      | <b>310</b>       | <0.0089        | <0.011          | <0.011          | <0.0093        | 2.1             |         |

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

Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided; pH specific values (Appendix B, Tables C and D), using the most conservative value; or background concentrations for counties outside metropolitan areas,

Appendix A, Table G (per footnote m in Appendix B, Table B).

Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.

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

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

| Analytical Results<br>for Soil Samples | Exposure Routes for Specific SROs |            |         |          |                        |            |                   |                    |                     |                  |                   |                    |                   |                    |                   |                    |                     |                   |                   |                    |         |
|--|-----------------------------------|------------|---------|----------|------------------------|------------|-------------------|--------------------|---------------------|------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|---------------------|-------------------|-------------------|--------------------|---------|
|  | Industrial/Commercial             |            |         |          | Construction<br>Worker |            | GP-06A<br>(8-10') | GP-06B<br>(18-20') | GP-06B<br>(18-20')D | GP-07A<br>(4-6') | GP-07B<br>(8-10') | GP-07B<br>(8-10')D | GP-08A<br>(8-10') | GP-08B<br>(13-15') | GP-11A<br>(8-10') | GP-11B<br>(17-19') | GP-11B<br>(17-19')D | GP-13A<br>(8-10') | GP-14A<br>(8-10') | GP-14B<br>(16-18') |         |
|  | Ingestion                         | Inhalation | Class I | Class II | Ingestion              | Inhalation |                   |                    |                     |                  |                   |                    |                   |                    |                   |                    |                     |                   |                   |                    |         |
| Analyte                                | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg                  | mg/Kg      | 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            | 12/20/13          | 3/27/14           | 3/27/14            | 3/27/14 |
| 1,2,4-Trichlorobenzene                 | 20000                             | 3200       | 5       | 53       | 2000                   | 920        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 1,2-Dichlorobenzene                    | 180000                            | 560        | 17      | 43       | 18000                  | 310        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 1,3-Dichlorobenzene                    | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 1,4-Dichlorobenzene                    | NRO                               | 17000      | 2       | 11       | NRO                    | 340        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2,2'-oxybis[1-chloropropane]           | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2,4,5-Trichlorophenol                  | 200000                            | NRO        | 26      | 26       | 200000                 | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 2,4,6-Trichlorophenol                  | 520                               | 390        | 0.07    | 0.07     | 11000                  | 540        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 2,4-Dichlorophenol                     | 6100                              | NRO        | 0.48    | 0.48     | 610                    | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 2,4-Dimethylphenol                     | 41000                             | NRO        | 9       | 9        | 41000                  | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 2,4-Dinitrophenol                      | 4100                              | NRO        | 0.2     | 0.2      | 410                    | NRO        | <0.68             | <0.73              | <0.72               | <0.80            | <0.79             | <0.72              | <0.69             | <0.70              | <0.69             | <0.74              | <0.72               | <0.73             | <0.73             | <0.70              | <0.76   |
| 2,4-Dinitrotoluene                     | 8.4                               | NRO        | 0.0008  | 0.0008   | 180                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2,6-Dinitrotoluene                     | 8.4                               | NRO        | 0.0007  | 0.0007   | 180                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2-Chloronaphthalene                    | 160000                            | NRO        | 49      | 240      | 160000                 | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2-Chlorophenol                         | 10000                             | 53000      | 1.5     | 1.5      | 10000                  | 53000      | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2-Methylnaphthalene                    | 8200                              | NRO        | 1.9     | 9.5      | 820                    | NRO        | <0.034            | 2.2 J              | 0.51 J              | 0.48             | 1.7               | 1.1                | <0.034            | 0.29               | <0.034            | 4.1 J              | 20 J                | <0.036            | <0.034            | 0.090              |         |
| 2-Methylphenol                         | 100000                            | NRO        | 15      | 15       | 100000                 | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2-Nitroaniline                         | 6100                              | 56         | 0.14    | 0.14     | 610                    | 3.6        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 2-Nitrophenol                          | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 3 & 4 Methylphenol                     | 10000                             | NRO        | 0.2     | 0.2      | 1000                   | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 3,3'-Dichlorobenzidine                 | 13                                | NRO        | 0.007   | 0.033    | 280                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 3-Nitroaniline                         | 610                               | 400        | 0.01    | 0.01     | 61                     | 26         | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 4,6-Dinitro-2-methylphenol             | 200                               | NRO        | NRO     | NRO      | 820                    | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 4-Bromophenyl phenyl ether             | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 4-Chloro-3-methylphenol                | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 4-Chloroaniline                        | 8200                              | NRO        | 0.7     | 0.7      | 820                    | NRO        | <0.68             | <0.73              | <0.72               | <0.80            | <0.79             | <0.72              | <0.69             | <0.70              | <0.69             | <0.74              | <0.72               | <0.73             | <0.73             | <0.70              | <0.76   |
| 4-Chlorophenyl phenyl ether            | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| 4-Nitroaniline                         | 6100                              | 1600       | 0.1     | 0.1      | 610                    | 110        | <0.34             | <0.36              | <0.35               | <0.39            | <0.39             | <0.36              | <0.34             | <0.35              | <0.34             | <0.36              | <0.36               | <0.36             | <0.36             | <0.34              | <0.37   |
| 4-Nitrophenol                          | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.68             | <0.73              | <0.72               | <0.80            | <0.79             | <0.72              | <0.69             | <0.70              | <0.69             | <0.74              | <0.72               | <0.73             | <0.73             | <0.70              | <0.76   |
| Acenaphthene                           | 120000                            | NRO        | 570     | 2900     | 120000                 | NRO        | <0.034            | 0.032 J            | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | 0.026 J             | <0.036            | <0.034            | <0.037             |         |
| Acenaphthylene                         | 61000                             | NRO        | 85      | 420      | 61000                  | NRO        | <0.034            | <0.036             | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Anthracene                             | 610000                            | NRO        | 12000   | 59000    | 610000                 | NRO        | <0.034            | <0.036             | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Benzo[a]anthracene                     | 8                                 | NRO        | 2       | 8        | 170                    | NRO        | <0.034            | 0.028 J            | 0.012 J             | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Benzo[a]pyrene                         | 0.98                              | NRO        | 8       | 82       | 17                     | NRO        | <0.034            | 0.015 J            | 0.0088 J            | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Benzo[b]fluoranthene                   | 8                                 | NRO        | 5       | 25       | 170                    | NRO        | <0.034            | 0.021 J            | 0.0097 J            | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Benzo[g,h,i]perylene                   | 61000                             | NRO        | 27000   | 130000   | 61000                  | NRO        | <0.034            | 0.013 J            | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Benzo[k]fluoranthene                   | 78                                | NRO        | 49      | 250      | 1700                   | NRO        | <0.034            | <0.036             | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Bis(2-chloroethoxy)methane             | NRO                               | NRO        | NRO     | NRO      | NRO                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| Bis(2-chloroethyl)ether                | 5                                 | 0.47       | 0.0004  | 0.0004   | 75                     | 0.66       | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| Bis(2-ethylhexyl) phthalate            | 410                               | 31000      | 3600    | 31000    | 4100                   | 31000      | <0.17             | <0.18              | 0.26                | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | 0.34 J+ |
| Butyl benzyl phthalate                 | 410000                            | 930        | 930     | 930      | 410000                 | 930        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| Carbazole                              | 290                               | NRO        | 0.6     | 2.8      | 6200                   | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |
| Chrysene                               | 780                               | NRO        | 160     | 800      | 17000                  | NRO        | <0.034            | 0.018 J            | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Dibenz(a,h)anthracene                  | 0.8                               | NRO        | 2       | 7.6      | 17                     | NRO        | <0.034            | <0.036             | <0.035              | <0.039           | <0.039            | <0.036             | <0.034            | <0.035             | <0.034            | <0.036             | <0.036              | <0.036            | <0.036            | <0.034             | <0.037  |
| Dibenzofuran                           | NRO                               | NRO        | NRO     | NRO      | 820                    | NRO        | <0.17             | <0.18              | <0.18               | <0.20            | <0.20             | <0.18              | <0.17             | <0.18              | <0.17             | <0.18              | <0.18               | <0.18             | <0.18             | <0.17              | <0.19   |



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-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-11A (8-10') | GP-11B (17-19') | GP-11B (17-19')D | GP-13A (8-10') | GP-14A (8-10') | GP-14B (16-18') |
| Analyte                             | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg               | mg/Kg      | 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         | 3/27/14        | 3/27/14        | 3/27/14         |
| Diethyl phthalate                   | 1000000                           | 2000       | 470     | 470      | 1000000             | 2000       | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Dimethyl phthalate                  | NRO                               | NRO        | NRO     | NRO      | NRO                 | NRO        | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Di-n-butyl phthalate                | 200000                            | 2300       | 2300    | 2300     | 200000              | 2300       | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Di-n-octyl phthalate                | 41000                             | 10000      | 10000   | 10000    | 4100                | 10000      | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Fluoranthene                        | 82000                             | NRO        | 4300    | 21000    | 82000               | NRO        | <0.034         | 0.12 J          | 0.040 J          | 0.029 J       | 0.013 J        | 0.019 J         | <0.034         | <0.035          | <0.034         | <0.036          | 0.019 J          | <0.036         | <0.034         | <0.037          |
| Fluorene                            | 82000                             | NRO        | 560     | 2800     | 82000               | NRO        | <0.034         | 0.059           | <0.035           | <0.039        | <0.039         | <0.036          | <0.034         | <0.035          | <0.034         | <0.036          | 0.049            | <0.036         | <0.034         | <0.037          |
| Hexachlorobenzene                   | 4                                 | 1.8        | 2       | 11       | 78                  | 2.6        | <0.068         | <0.073          | <0.072           | <0.080        | <0.079         | <0.072          | <0.069         | <0.070          | <0.069         | <0.074          | <0.072           | <0.073         | <0.070         | <0.076          |
| Hexachlorobutadiene                 | 2000                              | 150        | 2.2     | 11       | 200                 | 72         | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Hexachlorocyclopentadiene           | 14000                             | 16         | 400     | 2200     | 14000               | 1.1        | <0.68          | <0.73           | <0.72            | <0.80         | <0.79          | <0.72           | <0.69          | <0.70           | <0.69          | <0.74           | <0.72            | <0.73          | <0.70          | <0.76           |
| Hexachloroethane                    | 2000                              | NRO        | 0.5     | 2.6      | 2000                | NRO        | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Indeno[1,2,3-cd]pyrene              | 8                                 | NRO        | 14      | 69       | 170                 | NRO        | <0.034         | <0.036          | <0.035           | <0.039        | <0.039         | <0.036          | <0.034         | <0.035          | <0.034         | <0.036          | <0.036           | <0.036         | <0.034         | <0.037          |
| Isophorone                          | 410000                            | 4600       | 8       | 8        | 410000              | 4600       | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Naphthalene                         | 41000                             | 270        | 12      | 18       | 4100                | 1.8        | <0.034         | 0.099           | 0.0085 J         | 0.31          | 0.55           | 0.57            | <0.034         | 0.2             | <0.034         | 2.2 J           | 16 J             | <0.036         | <0.034         | 0.026 J         |
| Nitrobenzene                        | 1000                              | 140        | 0.1     | 0.1      | 1000                | 9.4        | <0.034         | <0.036          | <0.035           | <0.039        | <0.039         | <0.036          | <0.034         | <0.035          | <0.034         | <0.036          | <0.036           | <0.036         | <0.034         | <0.037          |
| N-Nitrosodi-n-propylamine           | 0.8                               | NRO        | 0.00005 | 0.00005  | 18                  | NRO        | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| N-Nitrosodiphenylamine              | 1200                              | NRO        | 1       | 5.6      | 25000               | NRO        | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Pentachlorophenol                   | 24                                | NRO        | 0.02    | 0.1      | 520                 | NRO        | <0.68          | <0.73           | <0.72            | <0.80         | <0.79          | <0.72           | <0.69          | <0.70           | <0.69          | <0.74           | <0.72            | <0.73          | <0.70          | <0.76           |
| Phenanthrene                        | 61000                             | NRO        | 200     | 1000     | 61000               | NRO        | <0.034         | 0.19 J          | 0.035 J          | 0.074         | 0.045          | 0.04            | <0.034         | <0.035          | <0.034         | 0.041 J         | 0.23 J           | <0.036         | <0.034         | <0.037          |
| Phenol                              | 610000                            | NRO        | 100     | 100      | 61000               | NRO        | <0.17          | <0.18           | <0.18            | <0.20         | <0.20          | <0.18           | <0.17          | <0.18           | <0.17          | <0.18           | <0.18            | <0.18          | <0.17          | <0.19           |
| Pyrene                              | 61000                             | NRO        | 4200    | 21000    | 61000               | NRO        | <0.034         | 0.088           | 0.033 J          | 0.018 J       | 0.0091 J       | 0.011 J         | <0.034         | <0.035          | <0.034         | 0.0081 J        | 0.025 J          | <0.036         | <0.034         | <0.037          |

Notes:

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 35 IAC 742 Appendix B, Table B, where provided; pH specific values (Appendix B, Tables C and D), using the most conservative value; or 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 35 IAC 742 Appendix B, Tables B, C, or D.

J = Estimated result, J+ estimated result biased high

Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.

Estimated results that are reported between the MDL and RL (J flags) may be reported and are indicated with a flag.

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

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 7  
**Illinois Railway Property, Wedron IL**  
**Soil Analytical Results Summary**  
**Volatile Organic Compounds (6/2016)**

| Analytical Results for Soil Samples | Exposure Routes for Specific SROs |            |         |          |                     |            |               |             |               |               |               |               |             |             |               |               |  |
|-------------------------------------|-----------------------------------|------------|---------|----------|---------------------|------------|---------------|-------------|---------------|---------------|---------------|---------------|-------------|-------------|---------------|---------------|--|
|                                     | Industrial/Commercial             |            |         |          | Construction Worker |            |               |             |               |               |               |               |             |             |               |               |  |
|                                     | Ingestion                         | Inhalation | Class I | Class II | Ingestion           | Inhalation | B-22 (02-03') | B-22 (6-7') | B-22 (10-11') | B-22 (13-14') | B-22 (17-18') | B-22 (22-23') | B-23 (2-3') | B-23 (7-8') | B-23 (11-12') | B-23 (14-15') |  |
| Analyte                             | mg/Kg                             | mg/Kg      | mg/Kg   | mg/Kg    | mg/Kg               | mg/Kg      | 6/27/16       | 8/27/16     | 6/27/16       | 6/27/16       | 6/27/16       | 6/27/16       | 6/27/16     | 6/27/16     | 6/27/16       | 6/27/16       |  |
| <b>BETX</b>                         |                                   |            |         |          |                     |            |               |             |               |               |               |               |             |             |               |               |  |
| Benzene                             | 100                               | 1.6        | 0.03    | 0.17     | 2300                | 2.2        | <b>0.47</b>   | <0.0043     | <0.28         | <0.015        | <0.013        | <b>0.30</b>   | <b>0.52</b> | <0.0046     | <0.30         | <0.27         |  |
| Ethylbenzene                        | 200000                            | 400        | 13      | 19       | 20000               | 58         | 9.0           | <0.0043     | <0.28         | <0.015        | 0.021         | 9.7           | 1.3         | <0.0046     | <0.30         | <0.27         |  |
| Toluene                             | 410000                            | 650        | 12      | 29       | 410000              | 42         | 0.19          | <0.0043     | <0.28         | <0.015        | 0.029         | 0.12          | 0.14        | <0.0046     | <0.30         | <0.27         |  |
| Xylenes, Total                      | 410000                            | 320        | 150     | 150      | 41000               | 5.6        | <b>34</b>     | <0.0085     | <0.57         | 0.031         | 0.70          | 0.32          | 4.8         | <0.0092     | <0.59         | 3.4           |  |
| <b>PNA's</b>                        |                                   |            |         |          |                     |            |               |             |               |               |               |               |             |             |               |               |  |
| Acenaphthene                        | 120000                            | NRO        | 570     | 2900     | 120000              | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Acenaphthylene                      | 61000                             | NRO        | 85      | 420      | 61000               | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Anthracene                          | 610000                            | NRO        | 12000   | 59000    | 610000              | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Benzo[a]anthracene                  | 8                                 | NRO        | 2       | 8        | 170                 | NRO        | 0.0099        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | 0.0057      | <0.039      | <0.041        | <0.041        |  |
| Benzo[a]pyrene                      | 0.98                              | NRO        | 8       | 82       | 17                  | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Benzo[b]fluoranthene                | 8                                 | NRO        | 5       | 25       | 170                 | NRO        | 0.012         | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Benzo[g,h,i]perylene                | 61000                             | NRO        | 27000   | 130000   | 61000               | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Benzo[k]fluoranthene                | 78                                | NRO        | 49      | 250      | 1700                | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Chrysene                            | 780                               | NRO        | 160     | 800      | 17000               | NRO        | 0.012         | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Dibenz[a,h]anthracene               | 0.8                               | NRO        | 2       | 7.6      | 17                  | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Fluoranthene                        | 82000                             | NRO        | 4300    | 21000    | 82000               | NRO        | 0.0097        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | 0.0094      | <0.039      | <0.041        | <0.041        |  |
| Fluorene                            | 82000                             | NRO        | 560     | 2800     | 82000               | NRO        | <0.039        | <0.039      | 0.0083        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | 0.0093        | <0.041        |  |
| Indeno[1,2,3-cd]pyrene              | 8                                 | NRO        | 14      | 69       | 170                 | NRO        | <0.039        | <0.039      | <0.039        | <0.039        | <0.038        | <0.041        | <0.038      | <0.039      | <0.041        | <0.041        |  |
| Naphthalene                         | 41000                             | 270        | 12      | 18       | 4100                | 1.8        | 0.48          | <0.039      | <0.039        | <0.039        | 0.025         | <0.041        | 0.081       | <0.039      | <0.041        | 0.24          |  |
| Phenanthrene                        | 61000                             | NRO        | 200     | 1000     | 61000               | NRO        | 0.016         | <0.039      | 0.015         | <0.039        | <0.038        | <0.041        | 0.014       | <0.039      | 0.018         | <0.041        |  |
| Pyrene                              | 61000                             | NRO        | 4200    | 21000    | 61000               | NRO        | 0.0082        | <0.039      | <0.039        | <0.039        | <0.038        | 0.0092        | 0.0079      | <0.039      | <0.041        | <0.041        |  |

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.  
 Class I and Class II SROs are based on 35 IAC 742 Appendix B, Table B, where provided, or specific values (Appendix B, Tables C and D), using the most conservative value, or background concentrations for counties outside metropolitan areas.  
 Appendix A, Table C (see footnote m in Appendix B, Table B).  
 Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.  
 Total xylenes is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.  
 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.

**Kuhlman, Eric**

---

**From:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Sent:** Friday, October 21, 2016 9:46 AM  
**To:** Kuhlman, Eric  
**Subject:** [External] RE: IL Railway - LUST Incident #20130463

Eric – has the IEPA had a chance to review the SICR for the Wedron site? Please let me know your anticipated schedule when you have a chance.

thanks

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

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**From:** Albrecht, Chris  
**Sent:** Monday, August 22, 2016 10:00 AM  
**To:** 'Kuhlman, Eric' <Eric.Kuhlman@Illinois.gov>; Ken Rose (krose@omnitrax.com) <krose@omnitrax.com>  
**Cc:** Smith, Randall T. <SmithRT@cdmsmith.com>; 'Rieser, David L.' <David.Rieser@klgates.com>; 'Sandra Remy' <sremy@omnitrax.com>; 'Andy Engeman' <AEngeman@omnitrax.com>  
**Subject:** IL Railway - LUST Incident #20130463

Eric – attached is the updated SICR which replaces the report as submitted in 2015. An original and a copy have been send to your attention via FedEx. Please let us know if you have any questions. I am available to discuss as needed.

Thank you

FYI – the document was reduced in order to forward via email. The quality of certain images may have been compromised.

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



**Kuhlman, Eric**

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**From:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Sent:** Wednesday, December 14, 2016 11:46 AM  
**To:** Kuhlman, Eric  
**Cc:** Ken Rose (krose@omnitrax.com); David L. Rieser (DRieser@muchshelist.com); Smith, Randall T.  
**Subject:** [External] RE: Wedron IL Railway -- LUST Incident #2013 0463  
**Attachments:** IEPA SICR EXT 121416.pdf

Eric - attached is an extension waiver as requested. Please let me know if you need anything else.

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

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**From:** Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]  
**Sent:** Wednesday, December 14, 2016 9:47 AM  
**To:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Subject:** Wedron IL Railway -- LUST Incident #2013 0463

Chris, it occurs to me that I may not be able to get the Agency response letter signed and mailed before the due date on December 21<sup>st</sup> due to the upcoming holidays. Therefore, I humbly request that your client waive the right to final decision for a minimum of 60 days in accordance with 734.505(d). That way we're covered if my managers and support staff decide to take leave before the holidays. Eric

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.





125 South Wacker Drive, Suite 000  
Chicago, Illinois 60606  
tel: 312 346 5000  
fax: 312 346-5228

December 14, 2016

Mr. Eric Kuhlman  
Illinois Environmental Protection Agency  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

Subject: LPC No. 0998995017 - LaSalle County  
Illinois Railway, LLC  
Wedron, IL  
LUST Incident No. 20130463

Dear Mr. Kuhlman:

CDM Smith, on behalf of our client, Illinois Railway LLC, grants a 60-day extension to the Illinois Environmental Protection Agency (IEPA) in order to complete the review of the amended Site Investigation Completion Report (SICR).

Please feel free to call me at (312) 346-5000 if you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "Chris Albrecht".

Christopher A. Albrecht  
Sr. Project Manager  
CDM Smith Inc.

**Kuhlman, Eric**

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**From:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Sent:** Thursday, December 29, 2016 10:44 AM  
**To:** Kuhlman, Eric  
**Subject:** [External] FW: Wedron IL Railway -- LUST Incident #2013 0463  
**Attachments:** IEPA SICR EXT 121416.pdf

Eric – please send a copy of the draft IEPA response letter as discussed so we have a chance to review. Hope your holidays are going well.

thanks

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

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**From:** Albrecht, Chris  
**Sent:** Wednesday, December 14, 2016 11:46 AM  
**To:** 'Kuhlman, Eric' <Eric.Kuhlman@Illinois.gov>  
**Cc:** Ken Rose (krose@omnitrax.com) <krose@omnitrax.com>; David L. Rieser (DRieser@muchshelist.com) <DRieser@muchshelist.com>; Randy Smith (SmithRT@cdmsmith.com) <SmithRT@cdmsmith.com>  
**Subject:** RE: Wedron IL Railway -- LUST Incident #2013 0463

Eric - attached is an extension waiver as requested. Please let me know if you need anything else.

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

---

**From:** Kuhlman, Eric [<mailto:Eric.Kuhlman@Illinois.gov>]  
**Sent:** Wednesday, December 14, 2016 9:47 AM  
**To:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Subject:** Wedron IL Railway -- LUST Incident #2013 0463

Chris, it occurs to me that I may not be able to get the Agency response letter signed and mailed before the due date on December 21<sup>st</sup> due to the upcoming holidays. Therefore, I humbly request that your client waive the right to final decision for a minimum of 60 days in accordance with 734.505(d). That way we're covered if my managers and support staff decide to take leave before the holidays. Eric

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information

or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

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125 South Wacker Drive, Suite 800  
Chicago, Illinois 60606  
tel: 312 346-5000  
fax: 312 346-5228

December 14, 2016

Mr. Eric Kuhlman  
Illinois Environmental Protection Agency  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

Subject: LPC No. 0998995017 - LaSalle County  
Illinois Railway, LLC  
Wedron, IL  
LUST Incident No. 20130463

Dear Mr. Kuhlman:

CDM Smith, on behalf of our client, Illinois Railway LLC, grants a 60-day extension to the Illinois Environmental Protection Agency (IEPA) in order to complete the review of the amended Site Investigation Completion Report (SICR).

Please feel free to call me at (312) 346-5000 if you have any questions.

Very truly yours,

A handwritten signature in black ink that reads "Chris Albrecht".

Christopher A. Albrecht  
Sr. Project Manager  
CDM Smith Inc.

**Kuhlman, Eric**

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**From:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Sent:** Tuesday, January 24, 2017 2:56 PM  
**To:** Kuhlman, Eric  
**Subject:** [External] RE: Wedron IL Railway -- LUST Incident #2013 0463

Eric – I have not seen the draft response letter. I assume you have had a chance to have the document reviewed and signed internally by now. Please let me know when we can expect the letter.

thanks

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

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**From:** Albrecht, Chris  
**Sent:** Thursday, December 29, 2016 10:44 AM  
**To:** 'Kuhlman, Eric' <Eric.Kuhlman@Illinois.gov>  
**Subject:** FW: Wedron IL Railway -- LUST Incident #2013 0463

Eric – please send a copy of the draft IEPA response letter as discussed so we have a chance to review. Hope your holidays are going well.

thanks

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

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**From:** Albrecht, Chris  
**Sent:** Wednesday, December 14, 2016 11:46 AM  
**To:** 'Kuhlman, Eric' <[Eric.Kuhlman@Illinois.gov](mailto:Eric.Kuhlman@Illinois.gov)>  
**Cc:** Ken Rose ([krose@omnitrax.com](mailto:krose@omnitrax.com)) <[krose@omnitrax.com](mailto:krose@omnitrax.com)>; David L. Rieser ([DRieser@muchshelist.com](mailto:DRieser@muchshelist.com)) <[DRieser@muchshelist.com](mailto:DRieser@muchshelist.com)>; Randy Smith ([SmithRT@cdmsmith.com](mailto:SmithRT@cdmsmith.com)) <[SmithRT@cdmsmith.com](mailto:SmithRT@cdmsmith.com)>  
**Subject:** RE: Wedron IL Railway -- LUST Incident #2013 0463

Eric - attached is an extension waiver as requested. Please let me know if you need anything else.

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

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**From:** Kuhlman, Eric [mailto:Eric.Kuhlman@Illinois.gov]  
**Sent:** Wednesday, December 14, 2016 9:47 AM  
**To:** Albrecht, Chris <AlbrechtCA@cdmsmith.com>  
**Subject:** Wedron IL Railway -- LUST Incident #2013 0463

---

Chris, it occurs to me that I may not be able to get the Agency response letter signed and mailed before the due date on December 21<sup>st</sup> due to the upcoming holidays. Therefore, I humbly request that your client waive the right to final decision for a minimum of 60 days in accordance with 734.505(d). That way we're covered if my managers and support staff decide to take leave before the holidays. Eric

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## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 783-3397  
BRUCE RAUNER, GOVERNOR ALEC MESSINA, ACTING DIRECTOR

217/524-3300

**CERTIFIED MAIL**

7014 2120 0002 3290 6759

**FEB 02 2017**

Illinois Railway, LLC  
Attention: Ken Rose  
430 West Madison Street  
Ottawa, Illinois 61350

Re: LPC #0998995017 -- LaSalle County  
Wedron / Illinois Railway – Right of Way  
County Highway 21 and Walnut Street  
Leaking UST Incident No. #20130463  
Leaking UST Technical File

Dear Mr. Rose:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Site Investigation Completion Report (report) submitted for the above-referenced incident. This report, dated August 17, 2016, was received by the Illinois EPA on August 23, 2016. Citations in this letter are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

The report is rejected for the reason(s) listed in Attachment A (Sections 57.7(a)(5) and 57.7(c)(4) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a)).

Pursuant to Sections 57.7(a)(5) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.100 and 734.125, a revised report must be submitted within 120 days of the date of this letter to:

Illinois Environmental Protection Agency  
Bureau of Land - #24  
Leaking Underground Storage Tank Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, IL 62794-9276

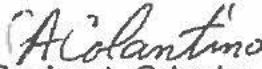
Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

Page 2

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Eric Kuhlman, at 217-785-5715.

Sincerely,

  
Stephen A. Colantino  
Acting Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land

SAC:EK:PV

Attachment: A, Appeal Rights

c: Chris Albrecht, CDM Smith, Inc. (electronic copy), [albrechca@cdmsmith.com](mailto:albrechca@cdmsmith.com)  
BOL File

Attachment A

Re: LPC #0998995017 -- LaSalle County  
Wedron / Illinois Railway – Right of Way  
County Highway 21 and Walnut Street  
Leaking UST Incident No. #20130463  
Leaking UST Technical File

Citations in this attachment are from the Environmental Protection Act (415 ILCS 5) (Act) and Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code).

1. If the results of a Stage 2 site investigation indicate that none of the applicable indicator contaminants that exceed the most stringent Tier 1 remediation objectives of 35 Ill. Adm. Code 742 as a result of the release extend beyond the site's property boundaries, upon completion of the Stage 2 site investigation the owner or operator must cease site investigation and proceed with the submission of a site investigation completion report in accordance with 35 Ill. Adm. Code 734.330. If the results of the Stage 2 site investigation indicate that applicable indicator contaminants that exceed the most stringent Tier 1 remediation objectives of 35 Ill. Adm. Code 742 as a result of the release extend beyond the site's property boundaries, within 30 days after the completion of the Stage 2 site investigation the owner or operator must submit to the Illinois EPA for review a Stage 3 site investigation plan in accordance with 35 Ill. Adm. Code 734.325. (Section 57.1(a) of the Act and 35 Ill. Adm. Code 734.320(d))

*A Stage 3 site investigation plan needs to be submitted to the Illinois EPA for technical review in accordance with 35 Ill. Adm. Code 734.325 since the results of the Stage 2 site investigation from SB-22 and SB-23 indicate that the applicable contaminants, benzene and total xylenes, exceed the most stringent Tier 1 remediation objectives as a result of this release extend beyond the site's western property boundary.*

EK:P



### Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

John Therriault, Assistant Clerk  
Illinois Pollution Control Board  
James R. Thompson Center  
100 West Randolph, Suite 11-500  
Chicago, IL 60601  
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency  
Division of Legal Counsel  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, IL 62794-9276  
217/782-5544

**CERTIFICATE OF SERVICE**

I, the undersigned, on affirmation state the following:

That I have served the attached **MOTION FOR LEAVE TO FILE RECORD INSTANTER AND CERTIFICATE OF RECORD ON APPEAL** and the **accompanying documents comprising the entire record of the Respondent's decision** by e-mail upon David L. Rieser at the e-mail address of David.Rieser@klgates.com and upon Hearing Officer Bradley P. Halloran at the e-mail address of Brad.Halloran@illinois.gov.

That my e-mail address is Scott.Sievers@Illinois.gov.

That the number of pages in the e-mail transmission is three hundred and seventy-four (374).

That the e-mail transmission took place before 4:30 p.m. on the date of July 27, 2017.

/s/Scott B. Sievers

July 27, 2017