
WEAVER

BOOS

CONSULTANTS

February 5, 2014
Project No: 0058-384-01

Mr. Dave Relos, Economic Development Planner
City of South Bend – Department of Community Investment
Suite 1400 S
227 W. Jefferson Blvd.
South Bend, IN 46601

**Re: Site Characterization Report
Discovery of Petroleum-Impacted Soils
Main Street and Lafayette Blvd Connector
South Bend, IN 46601**

Dear Mr. Relos:

Weaver Boos Consultants, LLC. (Weaver Boos) is pleased to provide the City of South Bend (South Bend) this subsurface site characterization associated with petroleum-impacted soil discovered during a construction project located south of Metalmation Drive, east of Lafayette Boulevard, and west of Main Street in South Bend Indiana (see **Figure 1 – Site Location Map**). The construction project was associated with the road construction of the Main Street and Lafayette Blvd. connector south of downtown. The impacted soil was excavated, stockpiled, and later removed and disposed at a licensed disposal facility by others to enable road construction to be completed. The location of the impacted soil was beneath and to the west of the new connector road at the southwest corner of Metalmation Drive and Main Street (see **Figure 2 – Site Layout Map**).

The impacted soil contained both visual (stained) and olfactory (odor) indications of petroleum impact, possibly fuel oil. The source of the impacted soil was not verified. However, it is our understanding based on a review of historical aerial photographs that the location of the impacted soil was in the vicinity of a former house which was razed several years ago. The house may have had an unregulated heating oil underground storage tank (UST), which could have been removed during demolition. No tank was encountered during the construction project, which included several feet of excavation to install public utilities and also to remove the impacted soil.

According to the Indiana regulations, a release of a regulated material including heating oil from an unregulated tank (such as a residential heating oil tank) is subject to the Indiana Spill Rule. The responsible party is obligated at a minimum to determine if the environment has been adversely impacted and if corrective action is required. There maybe reporting obligations and the incident maybe referred to the Indiana State Cleanup Program once reported, but a site characterization (ISC) is warranted prior to making that determination.

The primary objective was to characterize any potential soil and/or groundwater impacts to determine if any further action is warranted.

SCOPE OF WORK

Field Investigation

Weaver Boos followed IDEM boring placement and soil sampling requirements. To maximize efficiency, potential impacts were characterized by advancing a series of six soil probes using a Geoprobe in the area of the discovered impact (see **Figure 2 – Site Layout Map**). Soil samples were sampled continuously from each soil probe and field screened using a photoionization detector (PID) for the presence of contaminants associated with petroleum.

The center of the impact was indicated to be in the proximity of SB-1, SB-3, and immediately east beneath the new road. This area, extrapolated from historical aerial photographs, would also be the location of the former house that existing on the Property. Weaver Boos also advanced soil probes to the west and south. Soil probes could not be advanced to the north and east due to buried utilities (water and natural gas), Metalmation Drive and the new connector road. During the investigation the excavated impacted soil had yet to be removed and disposed of. Each soil probe was advanced to the water table (approximately 17+/- feet bgs).

Soil samples were collected and field screened for the presence of volatile organic compounds (VOCs) by using a photoionization detector (PID). Water samples were collected from each probe using a peristaltic pump. No permanent monitoring wells were installed. Unsaturated soil samples with the highest PID levels at the each boring locations and all groundwater samples were submitted to an analytical laboratory for analysis of the following parameters: VOCs, PNAS (including naphthalenes), lead, and lead scavengers as specified by the IDEM in Table 3.1 of the Remediation Program Guide. These parameters are all indicators of a petroleum release.

There were 11 soil samples and 6 ground water samples that were submitted for analysis including Level IV data quality objectives (DQOs), to support possible closure for this site. The IDEM requires the collection of various quality assurance/quality control (QA/QC) samples be collected during site characterization to ensure proper sampling and analytical techniques are being followed. These include a matrix spike/matrix spike duplicate (soil and water), equipment blank, field duplicate (soil and water), and trip blank (water).

Laboratory-certified sampling containers for the samples were filled (and preserved) in accordance with laboratory specifications. The samples were placed into a cooler, packaged with ice to maintain a shipment temperature of approximately 4 degrees Centigrade, documented with a chain-of-custody form, sealed, and shipped overnight or hand-delivered to the analytical laboratory.

SAMPLING RESULTS

The soil analytical results are tabulated in the attached **Tables 1 and 2**. The locations of the samples are shown on **Figure 2-4**. A copy of the analytical report is attached (**Attachment – Analytical Soils Laboratory Report**). Weaver Boos did not observe any field indication of either a soil impact (elevated PID readings, odor, or staining) or groundwater impact (sheen or odor).

Soil Analytical Results

Weaver Boos collected a total of nine (9) soil samples from six (6) soil boring locations and sent to Test America Laboratories of University Park, IL for polyaromatic hydrocarbons (PAHs) (EPA Method 8270D), volatile organic compounds (VOC) (EPA Method 8260B), lead (EPA Method 6010C) and lead scavengers analysis. No concentrations of PAHs were detected in any of the soil samples that were collected. Concentrations of lead were detected in all of the soil samples that were collected however they were all below the IDEM RCG Residential Screening Levels. Concentrations of acetone were detected in three of the soil samples that were collected (SB-2@20-21', SB-5@12-13', and SB-5@18-19'). All of the soil samples containing concentration of acetone detected were below the IDEM RCG Residential Screening Levels. Methylene chloride was also detected at levels below the IDEM RCG Residential Screening Levels in SB-2@20-21 and SB-5@18-19'.

Groundwater Analytical Results

Weaver Boos collected a total six (6) groundwater samples including quality control samples (field duplicate, matrix spike/matrix spike duplicate, and trip blank) and submitted to Test America Laboratories of University Park, IL for analysis. Groundwater samples were collected from SB-1, SB-2, SB-3, and SB-6. No concentrations of PAHs were detected in any of the groundwater samples that were collected. A concentration of lead was detected in SB-2 (0.03) above the IDEM RCG Residential Screening Levels. Toluene was detected at trace concentrations below the IDEM RCG Residential Screening Levels in SB-1, SB-2 and SB-3. No other VOCs were detected in the groundwater samples.

CONCLUSIONS

There were no field indications of soil or groundwater impacts during the investigation. Analytically in the soil, the detected concentrations of lead are likely attributable to natural background and not a possible UST release or the petroleum-impacted soil encountered during construction. Since no other VOCs commonly associated with petroleum releases were detected, the trace concentrations of acetone and methylene chloride are possibly laboratory artifacts (since both are common laboratory contaminants) and not related to the documented soil impacts encountered during construction. Regardless, all detections were below IDEM RCG Residential Screening Levels.

Analytically in the groundwater, the trace concentrations of toluene in the groundwater may be related to the impacted soil that was discovered and excavated during construction. However, the concentrations are below IDEM RCG Residential Screening Levels. The lead detections in the groundwater maybe attributable to background conditions and natural lead concentrations in the soil since no lead scavengers or other VOCs (except the trace toluene) were detected in the soil.

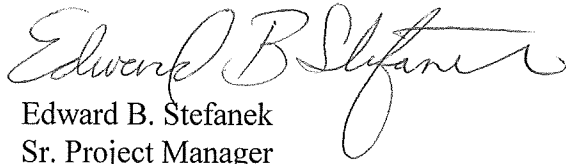
Based on the field and analytical findings, no further corrective action or investigation is presently warranted on the Property located to the southwest of the intersection of Metalmation Drive and the Main Street/Lafayette Blvd Connector.

Mr. Dave Relos
February 5, 2014
Page 5 of 5

If you should have any questions or comments concerning this report, please do not hesitate to contact our office.

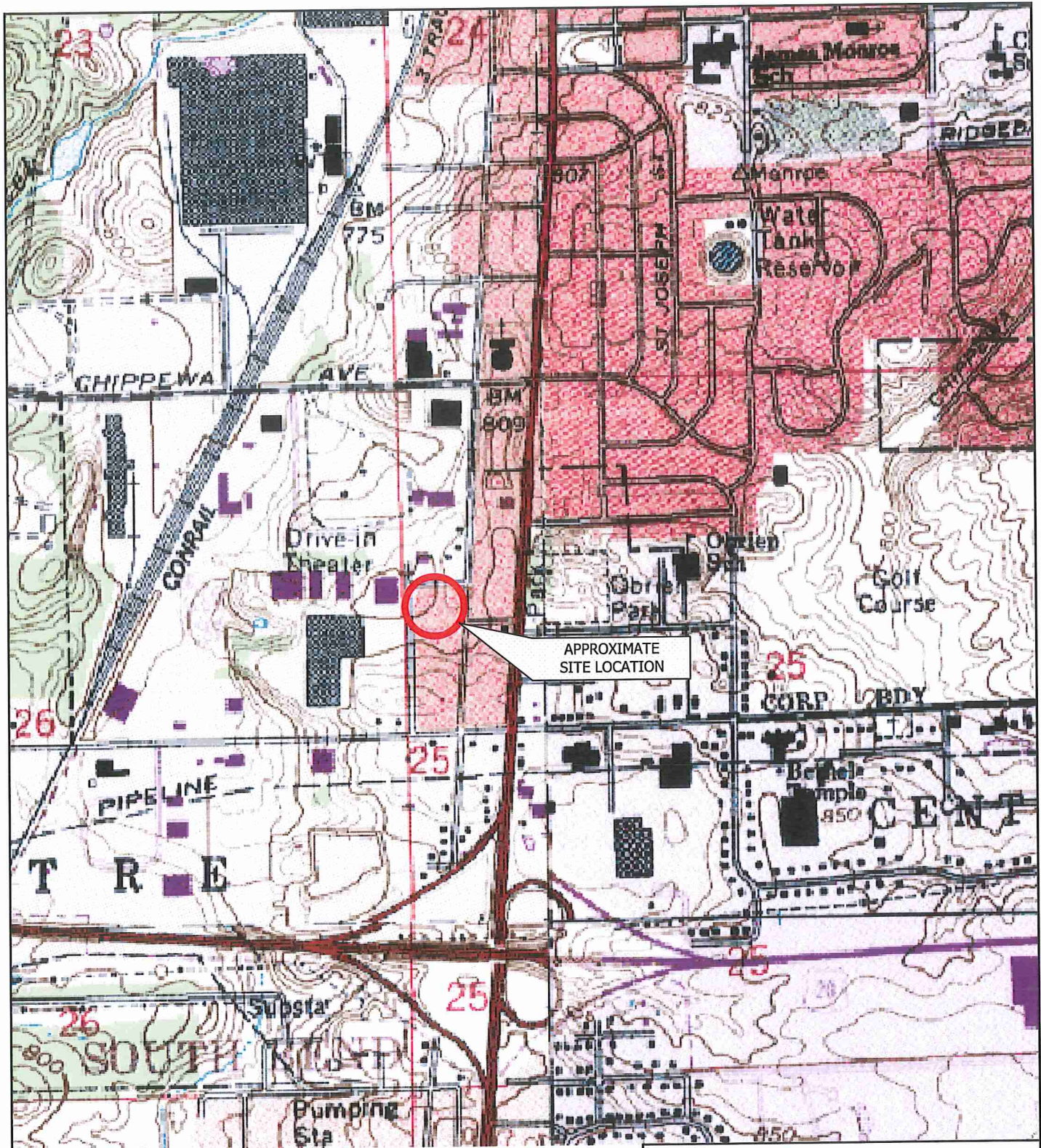
Sincerely,

Weaver Boos Consultants, LLC

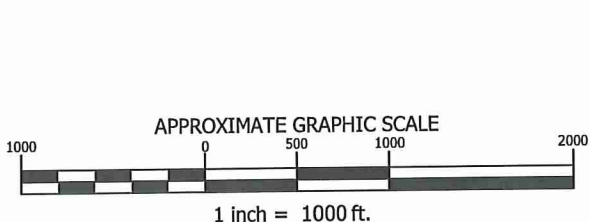


Edward B. Stefanek
Sr. Project Manager

Attachments: Figure 1 – Site Location Map
Figure 2 – Site Layout Map
Figure 3 – Soil Analytical Results
Figure 4 – Groundwater Analytical Results
Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results
Laboratory Analytical Report



APPROXIMATE SITE LOCATION



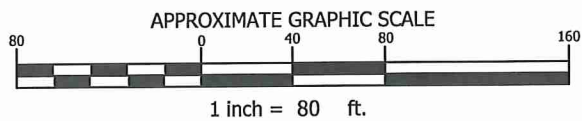
SITE LOCATION MAP

MAIN STREET UST REMOVAL
 CONFIRMATION SAMPLING
 MAIN STREET, SOUTH BEND, IN

Weaver Boos Consultants
 4085 MEGHAN BEELER COURT
 SOUTH BEND, IN 46628
 (574) 271-3447

DRAWN BY: RMD	DATE: 1/23/2014	FILE: 0058-384-01
REVIEWED BY: JLES	CAD: SITELOC.DWG	FIGURE 1

SOURCE: IMAGE ADAPTED FROM MAPCARD SOUTH BEND WEST, IN DATED 1987.
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SITE LAYOUT MAP

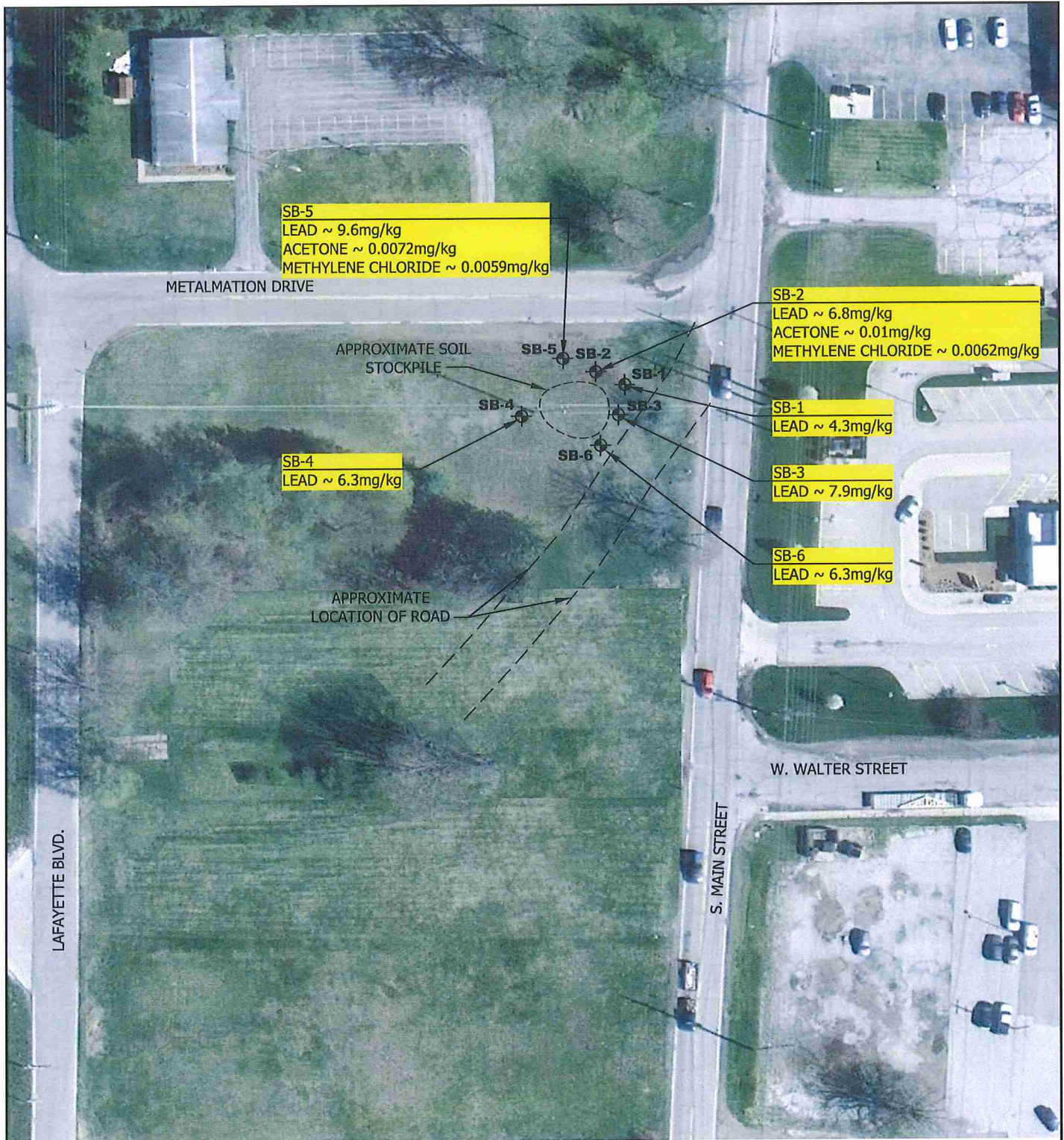
MAIN STREET UST REMOVAL
 CONFIRMATION SAMPLING
 MAIN STREET, SOUTH BEND, IN

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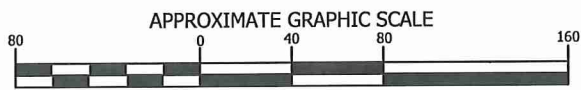
DRAWN BY: RMD	DATE: 1/23/2014	FILE: 0058-384-01
REVIEWED BY: JLES	CAD: SITELOC.DWG	FIGURE 2

NOTE: PROPERTY IS NOT CONFIGURED AS SHOWN, STOCKPILE AND ROAD ARE APPROXIMATE PER SITE VISIT OBSERVATIONS. PROPERTY BOUNDARIES WERE NOT AVAILABLE.
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LEGEND

SB-1 APPROXIMATE SOIL BORING SAMPLE LOCATIONS



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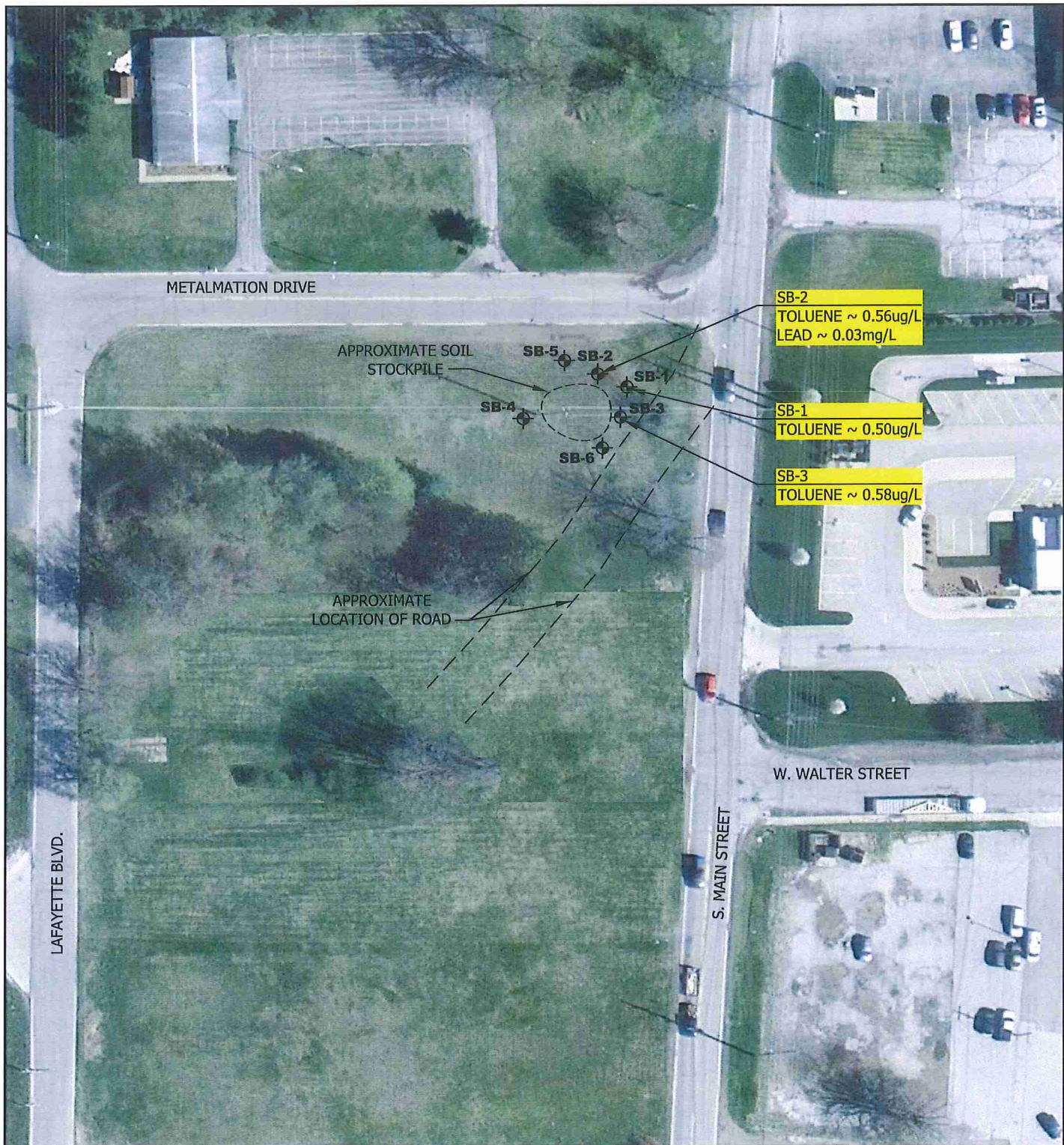
SOIL ANALYTICAL RESULTS

MAIN STREET UST REMOVAL
CONFIRMATION SAMPLING
MAIN STREET, SOUTH BEND, IN


Weaver Boos Consultants

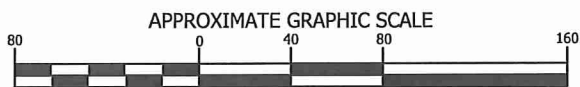
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REVIEWED BY: JLES	CAD: SITELOC.DWG	FIGURE 3



LEGEND

SB-1  APPROXIMATE SOIL BORING SAMPLE LOCATIONS



GROUNDWATER ANALYTICAL RESULTS

MAIN STREET UST REMOVAL
CONFIRMATION SAMPLING
MAIN STREET, SOUTH BEND, IN

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REVIEWED BY: JLES	CAD: SITELOC.DWG	FIGURE 4

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TABLE 1
SOIL ANALYTICAL RESULTS
CITY OF SOUTH BEND
MAIN STREET
SOUTH BEND, INDIANA

Analyte	Units	Reg 1	Reg 2	Reg 3	Reg 4	500-65215-1 SB-1 @ 12-13' 10/17/2013 9:45 AM	500-65215-3 SB-2 @ 12.5- 13.5 10/17/2013 10:10 AM	500-65215-4 SB-2 @ 20-21 10/17/2013 12:45 PM	500-65215-6 SB-3 @ 12-13 10/17/2013 10:45 AM	500-65215-8 SB-4 @ 11-12 10/17/2013 11:30 AM	500-65215-9 SB-5 @ 12-13 10/17/2013 12:00 PM	500-65215-10 SB-5 @ 18-19 10/17/2013 12:30 PM	500-65215-11 SB-6 @ 12-13 10/17/2013 1:00 PM	500-65215-12 SB-6 @ 18-19 10/17/2013 1:15 PM	500-65215-14 Field Duplicate 10/17/2013 12:00 AM
Method 8260B - Volatile Organic Compounds															
1,1,1-Trichloroethane	mg/kg	1.4	640	640	640	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
1,1,2-Trichloroethane	mg/kg	0.032	2.2	6.8	11	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
1,1-Dichloroethane	mg/kg	0.14	46	170	1700	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
1,1-Dichloroethane	mg/kg	0.05	340	1100	1200	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
1,2-Dichloroethane	mg/kg	0.028	6	22	250	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
1,2-Dichloropropane	mg/kg	0.033	13	47	120	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
2-Butanone (MEK)	mg/kg	21	28000	28000	28000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
2-Hexanone	mg/kg	0.16	290	1400	2300	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
4-Methyl-2-pentanone (MIBK)	mg/kg	4.5	3400	3400	3400	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Acetone	mg/kg	49	85000	100000	100000	<0.0057	<0.0048	0.01	<0.0043	<0.0050	0.0072	<0.0054	<0.0054	<0.0053	0.0066
Benzene	mg/kg	0.051	15	54	750	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Bromomethane	mg/kg	0.42	870	2200	20000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Bromomethane	mg/kg	0.035	10	32	54	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Carbon disulfide	mg/kg	4.2	740	740	740	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Carbon tetrachloride	mg/kg	0.039	8.5	30	460	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chlorobenzene	mg/kg	1.4	410	760	760	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chlorodibromomethane	mg/kg	0.43	9.5	33	800	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chloroethane	mg/kg	120	2100	2100	2100	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chloroethane	mg/kg	0.44	4.1	15	1800	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chloromethane	mg/kg	0.98	170	500	840	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chloromethane	mg/kg	0.41	220	2000	2400	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
cis-1,2-Dichloroethane	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
cis-1,3-Dichloropropene	mg/kg	270	120	120	120	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Cyclohexane	mg/kg	0.43	3.8	14	930	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Dichlorobromomethane	mg/kg	16	76	270	480	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Ethylbenzene	mg/kg	0.0028*	0.48	1.7	180	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Ethylene Dibromide	mg/kg	13	270	270	270	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Isopropylbenzene	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
mXp-Xylene	mg/kg					<0.011	<0.0097	<0.011	<0.0086	<0.010	<0.011	<0.011	<0.011	<0.011	<0.012
Methyl acetate	mg/kg	66	29000	29000	29000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Methyl tert-butyl ether	mg/kg	0.54	600	2200	8900	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Methylcyclohexane	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Methylcyclohexane	mg/kg	0.025	150	530	3300	<0.0057	<0.0048	0.0062	<0.0043	<0.0050	0.0059	<0.0054	<0.0054	<0.0053	<0.0058
Methylene Chloride	mg/kg	1.7	1400	2800	2800	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
o-Xylene	mg/kg	3.7	430	430	430	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Styrene	mg/kg	2.2	870	870	870	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Tetrachloroethene	mg/kg	0.045			170	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Toluene	mg/kg	14	820	820	820	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
trans-1,2-Dichloroethene	mg/kg	0.59	210	690	1200	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
trans-1,3-Dichloropropene	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Acenaphthylene	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Anthracene	mg/kg	860	24000	100000	100000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Benzo[a]anthracene	mg/kg	2.1	2.1	21	1300	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Benzo[a]pyrene	mg/kg	4.7	0.21	2.1	130	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Benzo[b]fluoranthene	mg/kg	7	2.1	21	1300	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Benzo[g,h,i]perylene	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Benzo[k]fluoranthene	mg/kg	68	21	210	13000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Chrysene	mg/kg	210	210	2100	100000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Dibenz[a,h]anthracene	mg/kg	2.2	0.21	2.1	130	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Fluorene	mg/kg	81	3200	22000	37000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Indeno[1,2,3-cd]pyrene	mg/kg	23	2.1	21	1300	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Naphthalene	mg/kg	0.092	50	180	1000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Phenanthrene	mg/kg					<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Pyrene	mg/kg	190	2400	17000	28000	<0.0057	<0.0048	<0.0054	<0.0043	<0.0050	<0.0053	<0.0054	<0.0054	<0.0053	<0.0058
Method 6010C - Metals															
Lead	mg/kg	270	400	800	1000	4.3	6.8	3.7	7.9	6.3	9.6	4.2	2.8	6.3	6.2
General Chemistry															
Percent Moisture	%					6.4	10	23	12	14	8.2	18	7.1	19	9.9
Percent Solids	%					94	90	77	88	86	92	82	93	81	90

Reg 1 IDEM RCG-App. A; Screening Levels for Groundwater - Soil MTG - Residential Use; March 1, 2013
 Reg 2 IDEM RCG-App. A; Screening Levels for Soil Expos.-Direct Contact-Residential Use; March 1, 2013
 Reg 3 IDEM RCG-App. A; Screening Levels for Soil Expos.-Direct Contact-Commercial/Indust. Use; March 1, 2013
 Reg 4 IDEM RCG-App. A; Screening Levels for Soil Expos.-Direct Contact-Excavation Use; March 1, 2013

Sample result is above the limits for Regulation 1
 Sample result is above the limits for Regulation 2
 Sample result is above the limits for Regulation 3
 Sample result is above the limits for Regulation 4
 ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard; Instrument related QC exceeds the control limits.
 No Regulatory limit is listed for this analyte
 Sample was not tested for this analyte

**TABLE 2
GROUNDWATER ANALYTICAL RESULTS
CITY OF SOUTH BEND
MAIN STREET
SOUTH BEND, INDIANA**

Analyte	Units	Reg 1	Reg 2	Reg 3	500-65215-2 10/18/2013 9:50 AM	500-65215-5 10/18/2013 10:20 AM	500-65215-7 10/17/2013 11:00 AM	500-65215-13 10/18/2013 11:03 AM	500-65215-15 10/18/2013 12:00 AM	500-65215-16 10/17/2013 12:00 AM
Method 8260B - Volatile Organic Compounds										
1,1,1-Trichloroethane	ug/L	200	13000	54000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	ug/L	5	11	46	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/L	24	110	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	ug/L	7	300	1300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/L	5	43	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L	5			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	ug/L	4900			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone	ug/L	34			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone (MIBK)	ug/L	1000			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	ug/L	12000			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	ug/L	5	24	120	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	ug/L	80			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	ug/L	7			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	ug/L	720			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	ug/L	5	5.7	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	ug/L	100			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	ug/L	80			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	21000			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L	80			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	190			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/L	70			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/L				<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	ug/L	13000			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane	ug/L	80			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	ug/L	700			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylene Dibromide	ug/L	0.05			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/L	390			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	ug/L				<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl acetate	ug/L	16000			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl tert-butyl ether	ug/L	120			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylcyclohexane	ug/L				<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	ug/L	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Xylene	ug/L	190			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	ug/L	100			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	ug/L	5	11	55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	ug/L	1000			0.5	0.56	0.58	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	ug/L	100			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	ug/L				<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	ug/L	5	9.1	38	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	1100			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	ug/L	410			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl chloride	ug/L	2	2	35	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Xylenes, Total	ug/L	10000			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Method 8270D - Semivolatile Organic Compounds										
1-Methylnaphthalene	ug/L	9.7			<0.76	<0.76	<0.76	<0.98	<0.77	---
2-Methylnaphthalene	ug/L	27			<0.38	<0.38	<0.38	<0.49	<0.39	---
Acenaphthene	ug/L	400			<0.76	<0.76	<0.76	<0.98	<0.77	---
Acenaphthylene	ug/L				<0.76	<0.76	<0.76	<0.98	<0.77	---
Anthracene	ug/L	1300			<0.76	<0.76	<0.76	<0.98	<0.77	---
Benzo[a]anthracene	ug/L	0.29			<0.15	<0.15	<0.15	<0.20	<0.15	---
Benzo[a]pyrene	ug/L	0.2			<0.15	<0.15	<0.15	<0.20	<0.15	---
Benzo[b]fluoranthene	ug/L	0.29			<0.15	<0.15	<0.15	<0.20	<0.15	---
Benzo[g,h,i]perylene	ug/L				<0.76	<0.76	<0.76	<0.98	<0.77	---
Benzo[k]fluoranthene	ug/L	2.9			<0.15	<0.15	<0.15	<0.20	<0.15	---
Chrysene	ug/L	29			<0.38	<0.38	<0.38	<0.49	<0.39	---
Dibenz[a,h]anthracene	ug/L	0.029			<0.23	<0.23	<0.23	<0.29	<0.23	---
Fluoranthene	ug/L	630			<0.76	<0.76	<0.76	<0.98	<0.77	---
Fluorene	ug/L	220			<0.76	<0.76	<0.76	<0.98	<0.77	---
Indeno[1,2,3-cd]pyrene	ug/L	0.29			<0.15	<0.15	<0.15	<0.20	<0.15	---
Naphthalene	ug/L	1.4	91	460	<0.76	<0.76	<0.76	<0.98	<0.77	---
Phenanthrene	ug/L				<0.76	<0.76	<0.76	<0.98	<0.77	---
Pyrene	ug/L	87			<0.76	<0.76	<0.76	<0.98	<0.77	---
Method 6010C - Metals										
Lead	mg/L	0.015			<0.0050	0.03	<0.0050	<0.0050	0.056	---

Reg 1

Reg 2

Reg 3

100

100

100

^

IDEM RCG-App. A; Screening Levels for Groundwater - Tap - Residential Use; March 1, 2013
 IDEM RCG-App. A; Screening Levels for Vapor Expos.-Groundwater-Residential Use; March 1, 2013
 IDEM RCG-App. A; Screening Levels for Vapor Exposure-Commercial/Indust. Use; March 1, 2013

Sample result is above the limits for Regulation 1

Sample result is above the limits for Regulation 2

Sample result is above the limits for Regulation 3

ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,DLCK or MRL standard: Instrument related QC exceeds the control limits.

No Regulatory limit is listed for this analyte

Sample was not tested for this analyte

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: 500-65215-1

Client Project/Site: Barb (Main & Lafayette)

For:

Weaver Boos Consultants LLC
4085 Meghan Beeler Court
South Bend, Indiana 46628

Attn: Ed Stefanek



Authorized for release by:
10/29/2013 4:46:45 PM

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

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



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Case Narrative

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Job ID: 500-65215-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-65215-1

Comments

No additional comments.

Receipt

The samples were received on 10/18/2013 2:32 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.1° C.

GC/MS VOA

Method(s) 8260B: The RPD values for the matrix spike and matrix spike duplicate for sample -1 were outside control limits. All spike recoveries were within limits.

Method(s) 8260B: The RPD values for the matrix spike and matrix spike duplicate for sample -2 were outside control limits for Vinyl Acetate. All spike recoveries were within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) samples were analyzed outside of the instrument tune time by 36 and 55 minutes. All matrix spike recoveries were within QC limits. The original sample was within instrument tune time; therefore, the data is reported. SB-1 @ 12-13' (500-65215-1 MS), SB-1 @ 12-13' (500-65215-1 MSD)

Method(s) 8270D: The continuing calibration verification (CCVIS) 500-208084/2 associated with the method blank (MB) and laboratory control sample (LCS) for preparation batch 207875, recovered above the upper control limit for 2,4,6-Tribromophenol. All of the sample surrogate recoveries were within control limits and the method blank sample associated with this CCV was non-detect for the affected target compounds; therefore, the data has been reported. Field Duplicate-S (500-65215-14), SB-1 @ 12-13' (500-65215-1), SB-1 @ 12-13' (500-65215-1 MS), SB-1 @ 12-13' (500-65215-1 MSD), SB-2 @ 12.5-13.5 (500-65215-3), SB-2 @ 20-21 (500-65215-4), SB-3 @ 12-13 (500-65215-6), SB-4 @ 11-12 (500-65215-8), SB-5 @ 12-13 (500-65215-9), SB-5 @ 18-19 (500-65215-10), SB-6 @ 12-13 (500-65215-11), SB-6 @ 18-19 (500-65215-12).

Method(s) 8270D: The continuing calibration verification (CCVIS) 500-208305/2 recovered above the upper control limit for Benzo(b)fluoranthene. The samples associated with this CCV were non-detect for the affected target compound; therefore, the data has been reported. Field Duplicate-S (500-65215-14), SB-1 @ 12-13' (500-65215-1), SB-1 @ 12-13' (500-65215-1 MS), SB-1 @ 12-13' (500-65215-1 MSD), SB-2 @ 12.5-13.5 (500-65215-3), SB-2 @ 20-21 (500-65215-4), SB-3 @ 12-13 (500-65215-6), SB-4 @ 11-12 (500-65215-8), SB-5 @ 12-13 (500-65215-9), SB-5 @ 18-19 (500-65215-10), SB-6 @ 12-13 (500-65215-11), SB-6 @ 18-19 (500-65215-12).

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1 @ 12-13'

Lab Sample ID: 500-65215-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.3		0.49		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-1

Lab Sample ID: 500-65215-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.50		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: SB-2 @ 12.5-13.5

Lab Sample ID: 500-65215-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.8		0.54		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-2 @ 20-21

Lab Sample ID: 500-65215-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.010		0.0054		mg/Kg	1	*	8260B	Total/NA
Methylene Chloride	0.0062		0.0054		mg/Kg	1	*	8260B	Total/NA
Lead	3.7		0.63		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-2

Lab Sample ID: 500-65215-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.56		0.50		ug/L	1		8260B	Total/NA
Lead	0.030		0.0050		mg/L	1		6010C	Total/NA

Client Sample ID: SB-3 @ 12-13

Lab Sample ID: 500-65215-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.9		0.48		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-3

Lab Sample ID: 500-65215-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.58		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: SB-4 @ 11-12

Lab Sample ID: 500-65215-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.3		0.54		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-5 @ 12-13

Lab Sample ID: 500-65215-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0063		0.0052		mg/Kg	1	*	8260B	Total/NA
Lead	9.6		0.50		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-5 @ 18-19

Lab Sample ID: 500-65215-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0072		0.0053		mg/Kg	1	*	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-5 @ 18-19 (Continued)

Lab Sample ID: 500-65215-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0059		0.0053		mg/Kg	1	*	8260B	Total/NA
Lead	4.2		0.56		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-6 @ 12-13

Lab Sample ID: 500-65215-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.8		0.47		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-6 @ 18-19

Lab Sample ID: 500-65215-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.3		0.56		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: SB-6

Lab Sample ID: 500-65215-13

No Detections.

Client Sample ID: Field Duplicate-S

Lab Sample ID: 500-65215-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0066		0.0058		mg/Kg	1	*	8260B	Total/NA
Lead	6.2		0.48		mg/Kg	1	*	6010C	Total/NA

Client Sample ID: Field Duplicate-G

Lab Sample ID: 500-65215-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.056		0.0050		mg/L	1		6010C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-65215-16

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-65215-1	SB-1 @ 12-13'	Solid	10/17/13 09:45	10/18/13 14:32
500-65215-2	SB-1	Water	10/18/13 09:50	10/18/13 14:32
500-65215-3	SB-2 @ 12.5-13.5	Solid	10/17/13 10:10	10/18/13 14:32
500-65215-4	SB-2 @ 20-21	Solid	10/17/13 12:45	10/18/13 14:32
500-65215-5	SB-2	Water	10/18/13 10:20	10/18/13 14:32
500-65215-6	SB-3 @ 12-13	Solid	10/17/13 10:45	10/18/13 14:32
500-65215-7	SB-3	Water	10/17/13 11:00	10/18/13 14:32
500-65215-8	SB-4 @ 11-12	Solid	10/17/13 11:30	10/18/13 14:32
500-65215-9	SB-5 @ 12-13	Solid	10/17/13 12:00	10/18/13 14:32
500-65215-10	SB-5 @ 18-19	Solid	10/17/13 12:30	10/18/13 14:32
500-65215-11	SB-6 @ 12-13	Solid	10/17/13 13:00	10/18/13 14:32
500-65215-12	SB-6 @ 18-19	Solid	10/17/13 13:15	10/18/13 14:32
500-65215-13	SB-6	Water	10/18/13 11:03	10/18/13 14:32
500-65215-14	Field Duplicate-S	Solid	10/17/13 00:00	10/18/13 14:32
500-65215-15	Field Duplicate-G	Water	10/18/13 00:00	10/18/13 14:32
500-65215-16	Trip Blank	Water	10/17/13 00:00	10/18/13 14:32

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1 @ 12-13'

Lab Sample ID: 500-65215-1

Date Collected: 10/17/13 09:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Benzene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Bromoform	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Bromomethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
2-Butanone (MEK)	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Carbon disulfide	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Carbon tetrachloride	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Chlorobenzene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Chlorodibromomethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Chloroethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Chloroform	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Chloromethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
cis-1,2-Dichloroethene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
cis-1,3-Dichloropropene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Cyclohexane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Dichlorobromomethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,1-Dichloroethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,2-Dichloroethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,1-Dichloroethene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,2-Dichloropropane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Ethylbenzene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Ethylene Dibromide	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
2-Hexanone	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Isopropylbenzene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Methyl acetate	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Methylcyclohexane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Methylene Chloride	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
4-Methyl-2-pentanone (MIBK)	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Methyl tert-butyl ether	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
m&p-Xylene	<0.011		0.011		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
o-Xylene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Styrene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Tetrachloroethene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Toluene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
trans-1,2-Dichloroethene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
trans-1,3-Dichloropropene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,1,1-Trichloroethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
1,1,2-Trichloroethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Trichloroethene	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Trichlorofluoromethane	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Vinyl acetate	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Vinyl chloride	<0.0057		0.0057		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Xylenes, Total	<0.011		0.011		mg/Kg	*	10/17/13 09:45	10/28/13 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 122				10/17/13 09:45	10/28/13 17:00	1
Dibromofluoromethane	108		75 - 120				10/17/13 09:45	10/28/13 17:00	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134				10/17/13 09:45	10/28/13 17:00	1
Toluene-d8 (Surr)	105		75 - 122				10/17/13 09:45	10/28/13 17:00	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1 @ 12-13'

Lab Sample ID: 500-65215-1

Date Collected: 10/17/13 09:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Acenaphthylene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Anthracene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Benzo[a]anthracene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Benzo[a]pyrene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Benzo[b]fluoranthene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Benzo[g,h,i]perylene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Benzo[k]fluoranthene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Chrysene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Dibenz(a,h)anthracene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Fluoranthene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Fluorene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Naphthalene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Phenanthrene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Pyrene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
1-Methylnaphthalene	<0.033		0.033		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
2-Methylnaphthalene	<0.17		0.17		mg/Kg	✳	10/21/13 07:18	10/23/13 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		25 - 115				10/21/13 07:18	10/23/13 15:31	1
Terphenyl-d14 (Surr)	112		36 - 134				10/21/13 07:18	10/23/13 15:31	1
2-Fluorobiphenyl	83		25 - 119				10/21/13 07:18	10/23/13 15:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3		0.49		mg/Kg	✳	10/18/13 16:30	10/24/13 00:35	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1

Lab Sample ID: 500-65215-2

Date Collected: 10/18/13 09:50

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 17:10	1
Benzene	<0.50		0.50		ug/L			10/25/13 17:10	1
Bromoform	<1.0		1.0		ug/L			10/25/13 17:10	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 17:10	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 17:10	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 17:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 17:10	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 17:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 17:10	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 17:10	1
Chloroform	<1.0		1.0		ug/L			10/25/13 17:10	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 17:10	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 17:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 17:10	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 17:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 17:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 17:10	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 17:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/25/13 17:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 17:10	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 17:10	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 17:10	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 17:10	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 17:10	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 17:10	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 17:10	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 17:10	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 17:10	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 17:10	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 17:10	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 17:10	1
Styrene	<1.0		1.0		ug/L			10/25/13 17:10	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 17:10	1
Toluene	0.50		0.50		ug/L			10/25/13 17:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 17:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 17:10	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 17:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 17:10	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 17:10	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 17:10	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 17:10	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 17:10	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120					10/25/13 17:10	1
Dibromofluoromethane	93		75 - 120					10/25/13 17:10	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 125					10/25/13 17:10	1
Toluene-d8 (Surr)	94		75 - 120					10/25/13 17:10	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1

Lab Sample ID: 500-65215-2

Date Collected: 10/18/13 09:50

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Acenaphthylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Anthracene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Benzo[a]anthracene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 13:49	1
Benzo[a]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 13:49	1
Benzo[b]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 13:49	1
Benzo[g,h,i]perylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Benzo[k]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 13:49	1
Chrysene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 13:49	1
Dibenz(a,h)anthracene	<0.23		0.23		ug/L		10/21/13 07:32	10/24/13 13:49	1
Fluoranthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Fluorene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 13:49	1
Naphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Phenanthrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
Pyrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
1-Methylnaphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 13:49	1
2-Methylnaphthalene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	56		47 - 134	10/21/13 07:32	10/24/13 13:49	1
Terphenyl-d14 (Surr)	86		59 - 150	10/21/13 07:32	10/24/13 13:49	1
2-Fluorobiphenyl	46		41 - 132	10/21/13 07:32	10/24/13 13:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0050		0.0050		mg/L		10/21/13 07:45	10/23/13 23:37	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2 @ 12.5-13.5

Lab Sample ID: 500-65215-3

Date Collected: 10/17/13 10:10

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Benzene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Bromoform	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Bromomethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
2-Butanone (MEK)	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Carbon disulfide	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Carbon tetrachloride	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Chlorobenzene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Chlorodibromomethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Chloroethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Chloroform	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Chloromethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
cis-1,2-Dichloroethene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
cis-1,3-Dichloropropene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Cyclohexane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Dichlorobromomethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,1-Dichloroethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,2-Dichloroethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,1-Dichloroethene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,2-Dichloropropene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Ethylbenzene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Ethylene Dibromide	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
2-Hexanone	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Isopropylbenzene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Methyl acetate	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Methylcyclohexane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Methylene Chloride	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Methyl tert-butyl ether	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
m&p-Xylene	<0.0097		0.0097		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
o-Xylene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Styrene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Tetrachloroethene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Toluene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
trans-1,2-Dichloroethene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
trans-1,3-Dichloropropene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,1,1-Trichloroethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
1,1,2-Trichloroethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Trichloroethene	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Trichlorofluoromethane	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Vinyl acetate	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Vinyl chloride	<0.0048		0.0048		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1
Xylenes, Total	<0.0097		0.0097		mg/Kg	*	10/17/13 10:10	10/28/13 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 122	10/17/13 10:10	10/28/13 18:11	1
Dibromofluoromethane	106		75 - 120	10/17/13 10:10	10/28/13 18:11	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	10/17/13 10:10	10/28/13 18:11	1
Toluene-d8 (Surr)	107		75 - 122	10/17/13 10:10	10/28/13 18:11	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2 @ 12.5-13.5

Lab Sample ID: 500-65215-3

Date Collected: 10/17/13 10:10

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Acenaphthylene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Benzo[a]anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Benzo[a]pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Benzo[b]fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Benzo[g,h,i]perylene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Benzo[k]fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Chrysene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Dibenz(a,h)anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Fluorene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Naphthalene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Phenanthrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
Pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
1-Methylnaphthalene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1
2-Methylnaphthalene	<0.18		0.18		mg/Kg	*	10/21/13 07:18	10/23/13 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		25 - 115	10/21/13 07:18	10/23/13 15:50	1
Terphenyl-d14 (Surr)	109		36 - 134	10/21/13 07:18	10/23/13 15:50	1
2-Fluorobiphenyl	85		25 - 119	10/21/13 07:18	10/23/13 15:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.8		0.54		mg/Kg	*	10/18/13 16:30	10/24/13 00:55	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2 @ 20-21

Lab Sample ID: 500-65215-4

Date Collected: 10/17/13 12:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.010		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Benzene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Bromoform	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Bromomethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
2-Butanone (MEK)	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Carbon disulfide	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Carbon tetrachloride	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Chlorobenzene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Chlorodibromomethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Chloroethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Chloroform	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Chloromethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
cis-1,2-Dichloroethene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
cis-1,3-Dichloropropene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Cyclohexane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Dichlorobromomethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,1-Dichloroethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,2-Dichloroethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,1-Dichloroethene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,2-Dichloropropane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Ethylbenzene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Ethylene Dibromide	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
2-Hexanone	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Isopropylbenzene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Methyl acetate	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Methylcyclohexane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Methylene Chloride	0.0062		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
4-Methyl-2-pentanone (MIBK)	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Methyl tert-butyl ether	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
m&p-Xylene	<0.011		0.011		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
o-Xylene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Styrene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Tetrachloroethene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Toluene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
trans-1,2-Dichloroethene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
trans-1,3-Dichloropropene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,1,1-Trichloroethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
1,1,2-Trichloroethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Trichloroethene	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Trichlorofluoromethane	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Vinyl acetate	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Vinyl chloride	<0.0054		0.0054		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Xylenes, Total	<0.011		0.011		mg/Kg	✱	10/17/13 12:45	10/28/13 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 122				10/17/13 12:45	10/28/13 18:34	1
Dibromofluoromethane	109		75 - 120				10/17/13 12:45	10/28/13 18:34	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134				10/17/13 12:45	10/28/13 18:34	1
Toluene-d8 (Surr)	106		75 - 122				10/17/13 12:45	10/28/13 18:34	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2 @ 20-21

Lab Sample ID: 500-65215-4

Date Collected: 10/17/13 12:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Acenaphthylene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Anthracene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Benzo[a]anthracene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Benzo[a]pyrene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Benzo[b]fluoranthene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Benzo[g,h,i]perylene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Benzo[k]fluoranthene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Chrysene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Dibenz(a,h)anthracene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Fluoranthene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Fluorene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Indeno[1,2,3-cd]pyrene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Naphthalene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Phenanthrene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Pyrene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
1-Methylnaphthalene	<0.042		0.042		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
2-Methylnaphthalene	<0.21		0.21		mg/Kg	*	10/21/13 07:18	10/23/13 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	58		25 - 115				10/21/13 07:18	10/23/13 16:10	1
Terphenyl-d14 (Surr)	92		36 - 134				10/21/13 07:18	10/23/13 16:10	1
2-Fluorobiphenyl	58		25 - 119				10/21/13 07:18	10/23/13 16:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.7		0.63		mg/Kg	*	10/18/13 16:30	10/24/13 01:07	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2

Lab Sample ID: 500-65215-5

Date Collected: 10/18/13 10:20

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 17:36	1
Benzene	<0.50		0.50		ug/L			10/25/13 17:36	1
Bromoform	<1.0		1.0		ug/L			10/25/13 17:36	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 17:36	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 17:36	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 17:36	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 17:36	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 17:36	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 17:36	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
Chloroform	<1.0		1.0		ug/L			10/25/13 17:36	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 17:36	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 17:36	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 17:36	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 17:36	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 17:36	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 17:36	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 17:36	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 17:36	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 17:36	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 17:36	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 17:36	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 17:36	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 17:36	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 17:36	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 17:36	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 17:36	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 17:36	1
Styrene	<1.0		1.0		ug/L			10/25/13 17:36	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 17:36	1
Toluene	0.56		0.50		ug/L			10/25/13 17:36	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 17:36	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 17:36	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 17:36	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 17:36	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 17:36	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 17:36	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 17:36	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120					10/25/13 17:36	1
Dibromofluoromethane	93		75 - 120					10/25/13 17:36	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 125					10/25/13 17:36	1
Toluene-d8 (Surr)	93		75 - 120					10/25/13 17:36	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2

Lab Sample ID: 500-65215-5

Date Collected: 10/18/13 10:20

Matrix: Water

Date Received: 10/18/13 14:32

Method: 8270D - Semivolatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Acenaphthylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Anthracene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Benzo[a]anthracene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:12	1
Benzo[a]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:12	1
Benzo[b]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:12	1
Benzo[g,h,i]perylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Benzo[k]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:12	1
Chrysene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 14:12	1
Dibenz(a,h)anthracene	<0.23		0.23		ug/L		10/21/13 07:32	10/24/13 14:12	1
Fluoranthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Fluorene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:12	1
Naphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Phenanthrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
Pyrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
1-Methylnaphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:12	1
2-Methylnaphthalene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		47 - 134				10/21/13 07:32	10/24/13 14:12	1
Terphenyl-d14 (Surr)	87		59 - 150				10/21/13 07:32	10/24/13 14:12	1
2-Fluorobiphenyl	55		41 - 132				10/21/13 07:32	10/24/13 14:12	1

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.030		0.0050		mg/L		10/21/13 07:45	10/24/13 00:01	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-3 @ 12-13

Lab Sample ID: 500-65215-6

Date Collected: 10/17/13 10:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Benzene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Bromoform	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Bromomethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
2-Butanone (MEK)	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Carbon disulfide	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Carbon tetrachloride	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Chlorobenzene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Chlorodibromomethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Chloroethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Chloroform	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Chloromethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
cis-1,2-Dichloroethene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
cis-1,3-Dichloropropene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Cyclohexane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Dichlorobromomethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,1-Dichloroethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,2-Dichloroethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,1-Dichloroethene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,2-Dichloropropane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Ethylbenzene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Ethylene Dibromide	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
2-Hexanone	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Isopropylbenzene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Methyl acetate	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Methylcyclohexane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Methylene Chloride	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Methyl tert-butyl ether	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
m&p-Xylene	<0.0086		0.0086		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
o-Xylene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Styrene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Tetrachloroethene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Toluene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
trans-1,2-Dichloroethene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
trans-1,3-Dichloropropene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,1,1-Trichloroethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
1,1,2-Trichloroethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Trichloroethene	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Trichlorofluoromethane	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Vinyl acetate	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Vinyl chloride	<0.0043		0.0043		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Xylenes, Total	<0.0086		0.0086		mg/Kg	*	10/17/13 10:45	10/28/13 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 122				10/17/13 10:45	10/28/13 18:58	1
Dibromofluoromethane	109		75 - 120				10/17/13 10:45	10/28/13 18:58	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 134				10/17/13 10:45	10/28/13 18:58	1
Toluene-d8 (Surr)	107		75 - 122				10/17/13 10:45	10/28/13 18:58	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-3 @ 12-13

Lab Sample ID: 500-65215-6

Date Collected: 10/17/13 10:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Acenaphthylene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Benzo[a]anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Benzo[a]pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Benzo[b]fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Benzo[g,h,i]perylene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Benzo[k]fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Chrysene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Dibenz(a,h)anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Fluorene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Naphthalene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Phenanthrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
1-Methylnaphthalene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
2-Methylnaphthalene	<0.19		0.19		mg/Kg	*	10/21/13 07:18	10/23/13 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	73		25 - 115				10/21/13 07:18	10/23/13 16:29	1
Terphenyl-d14 (Surr)	106		36 - 134				10/21/13 07:18	10/23/13 16:29	1
2-Fluorobiphenyl	76		25 - 119				10/21/13 07:18	10/23/13 16:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		0.48		mg/Kg	*	10/18/13 16:30	10/24/13 01:11	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-3

Lab Sample ID: 500-65215-7

Date Collected: 10/17/13 11:00

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 18:01	1
Benzene	<0.50		0.50		ug/L			10/25/13 18:01	1
Bromoform	<1.0		1.0		ug/L			10/25/13 18:01	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 18:01	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 18:01	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 18:01	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 18:01	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 18:01	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 18:01	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 18:01	1
Chloroform	<1.0		1.0		ug/L			10/25/13 18:01	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 18:01	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 18:01	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 18:01	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 18:01	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 18:01	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 18:01	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 18:01	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/25/13 18:01	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 18:01	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 18:01	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 18:01	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 18:01	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 18:01	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 18:01	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 18:01	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 18:01	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 18:01	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 18:01	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 18:01	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 18:01	1
Styrene	<1.0		1.0		ug/L			10/25/13 18:01	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 18:01	1
Toluene	0.58		0.50		ug/L			10/25/13 18:01	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 18:01	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 18:01	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 18:01	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 18:01	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 18:01	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 18:01	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 18:01	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 18:01	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 120		10/25/13 18:01	1
Dibromofluoromethane	92		75 - 120		10/25/13 18:01	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		10/25/13 18:01	1
Toluene-d8 (Surr)	92		75 - 120		10/25/13 18:01	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-3

Lab Sample ID: 500-65215-7

Date Collected: 10/17/13 11:00

Matrix: Water

Date Received: 10/18/13 14:32

Method: 8270D - Semivolatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Acenaphthylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Anthracene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Benzo[a]anthracene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:36	1
Benzo[a]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:36	1
Benzo[b]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:36	1
Benzo[g,h,i]perylene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Benzo[k]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:36	1
Chrysene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 14:36	1
Dibenz(a,h)anthracene	<0.23		0.23		ug/L		10/21/13 07:32	10/24/13 14:36	1
Fluoranthene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Fluorene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 14:36	1
Naphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Phenanthrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
Pyrene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
1-Methylnaphthalene	<0.76		0.76		ug/L		10/21/13 07:32	10/24/13 14:36	1
2-Methylnaphthalene	<0.38		0.38		ug/L		10/21/13 07:32	10/24/13 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		47 - 134				10/21/13 07:32	10/24/13 14:36	1
Terphenyl-d14 (Surr)	96		59 - 150				10/21/13 07:32	10/24/13 14:36	1
2-Fluorobiphenyl	59		41 - 132				10/21/13 07:32	10/24/13 14:36	1

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0050		0.0050		mg/L		10/21/13 07:45	10/24/13 00:05	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-4 @ 11-12

Lab Sample ID: 500-65215-8

Date Collected: 10/17/13 11:30

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Benzene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Bromoform	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Bromomethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
2-Butanone (MEK)	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Carbon disulfide	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Carbon tetrachloride	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Chlorobenzene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Chlorodibromomethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Chloroethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Chloroform	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Chloromethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
cis-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
cis-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Cyclohexane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Dichlorobromomethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,1-Dichloroethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,2-Dichloroethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,1-Dichloroethene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,2-Dichloropropane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Ethylbenzene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Ethylene Dibromide	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
2-Hexanone	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Isopropylbenzene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Methyl acetate	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Methylcyclohexane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Methylene Chloride	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Methyl tert-butyl ether	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
m&p-Xylene	<0.010		0.010		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
o-Xylene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Styrene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Tetrachloroethene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Toluene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
trans-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
trans-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,1,1-Trichloroethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
1,1,2-Trichloroethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Trichloroethene	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Trichlorofluoromethane	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Vinyl acetate	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Vinyl chloride	<0.0050		0.0050		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1
Xylenes, Total	<0.010		0.010		mg/Kg	*	10/17/13 11:30	10/28/13 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 122	10/17/13 11:30	10/28/13 19:22	1
Dibromofluoromethane	106		75 - 120	10/17/13 11:30	10/28/13 19:22	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/17/13 11:30	10/28/13 19:22	1
Toluene-d8 (Surr)	108		75 - 122	10/17/13 11:30	10/28/13 19:22	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-4 @ 11-12

Lab Sample ID: 500-65215-8

Date Collected: 10/17/13 11:30

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Acenaphthylene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Benzo[a]anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Benzo[a]pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Benzo[b]fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Benzo[g,h,i]perylene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Benzo[k]fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Chrysene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Dibenz[a,h]anthracene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Fluoranthene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Fluorene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Naphthalene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Phenanthrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Pyrene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
1-Methylnaphthalene	<0.037		0.037		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
2-Methylnaphthalene	<0.19		0.19		mg/Kg	*	10/21/13 07:18	10/23/13 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	47		25 - 115				10/21/13 07:18	10/23/13 16:48	1
Terphenyl-d14 (Surr)	78		36 - 134				10/21/13 07:18	10/23/13 16:48	1
2-Fluorobiphenyl	48		25 - 119				10/21/13 07:18	10/23/13 16:48	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.3		0.54		mg/Kg	*	10/18/13 16:30	10/24/13 01:15	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-5 @ 12-13

Lab Sample ID: 500-65215-9

Date Collected: 10/17/13 12:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0063		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Benzene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Bromoform	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Bromomethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
2-Butanone (MEK)	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Carbon disulfide	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Carbon tetrachloride	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Chlorobenzene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Chlorodibromomethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Chloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Chloroform	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Chloromethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
cis-1,2-Dichloroethene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
cis-1,3-Dichloropropene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Cyclohexane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Dichlorobromomethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,1-Dichloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,2-Dichloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,1,1-Trichloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,2-Dichloropropane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Ethylbenzene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Ethylene Dibromide	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
2-Hexanone	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Isopropylbenzene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Methyl acetate	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Methylcyclohexane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Methylene Chloride	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Methyl tert-butyl ether	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
m&p-Xylene	<0.010		0.010		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
o-Xylene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Styrene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Tetrachloroethene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Toluene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
trans-1,2-Dichloroethene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
trans-1,3-Dichloropropene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,1,1-Trichloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
1,1,2-Trichloroethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Trichloroethene	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Trichlorofluoromethane	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Vinyl acetate	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Vinyl chloride	<0.0052		0.0052		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1
Xylenes, Total	<0.010		0.010		mg/Kg	*	10/17/13 12:00	10/23/13 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 122	10/17/13 12:00	10/23/13 18:05	1
Dibromofluoromethane	109		75 - 120	10/17/13 12:00	10/23/13 18:05	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	10/17/13 12:00	10/23/13 18:05	1
Toluene-d8 (Surr)	105		75 - 122	10/17/13 12:00	10/23/13 18:05	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-5 @ 12-13

Lab Sample ID: 500-65215-9

Date Collected: 10/17/13 12:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Acenaphthylene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Anthracene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Benzo[a]anthracene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Benzo[a]pyrene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Benzo[b]fluoranthene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Benzo[g,h,i]perylene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Benzo[k]fluoranthene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Chrysene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Dibenz(a,h)anthracene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Fluoranthene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Fluorene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Naphthalene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Phenanthrene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Pyrene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
1-Methylnaphthalene	<0.036		0.036		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
2-Methylnaphthalene	<0.18		0.18		mg/Kg	*	10/21/13 07:18	10/23/13 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		25 - 115				10/21/13 07:18	10/23/13 17:08	1
Terphenyl-d14 (Surr)	105		36 - 134				10/21/13 07:18	10/23/13 17:08	1
2-Fluorobiphenyl	79		25 - 119				10/21/13 07:18	10/23/13 17:08	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.6		0.50		mg/Kg	*	10/18/13 16:30	10/24/13 01:19	1

Client Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-5 @ 18-19

Lab Sample ID: 500-65215-10

Date Collected: 10/17/13 12:30

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0072		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Benzene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Bromoform	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Bromomethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
2-Butanone (MEK)	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Carbon disulfide	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Carbon tetrachloride	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Chlorobenzene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Chlorodibromomethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Chloroethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Chloroform	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Chloromethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
cis-1,2-Dichloroethene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
cis-1,3-Dichloropropene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Cyclohexane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Dichlorobromomethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,1-Dichloroethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,2-Dichloroethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,1-Dichloroethene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,2-Dichloropropane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Ethylbenzene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Ethylene Dibromide	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
2-Hexanone	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Isopropylbenzene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Methyl acetate	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Methylcyclohexane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Methylene Chloride	0.0059		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
4-Methyl-2-pentanone (MIBK)	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Methyl tert-butyl ether	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
m&p-Xylene	<0.011		0.011		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
o-Xylene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Styrene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Tetrachloroethene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Toluene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
trans-1,2-Dichloroethene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
trans-1,3-Dichloropropene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,1,1-Trichloroethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
1,1,2-Trichloroethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Trichloroethene	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Trichlorofluoromethane	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Vinyl acetate	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Vinyl chloride	<0.0053		0.0053		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1
Xylenes, Total	<0.011		0.011		mg/Kg	☼	10/17/13 12:30	10/23/13 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 122	10/17/13 12:30	10/23/13 18:28	1
Dibromofluoromethane	105		75 - 120	10/17/13 12:30	10/23/13 18:28	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	10/17/13 12:30	10/23/13 18:28	1
Toluene-d8 (Surr)	105		75 - 122	10/17/13 12:30	10/23/13 18:28	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-5 @ 18-19

Lab Sample ID: 500-65215-10

Date Collected: 10/17/13 12:30

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Acenaphthylene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Anthracene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Benzo[a]anthracene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Benzo[a]pyrene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Benzo[b]fluoranthene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Benzo[g,h,i]perylene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Benzo[k]fluoranthene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Chrysene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Dibenz(a,h)anthracene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Fluoranthene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Fluorene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Naphthalene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Phenanthrene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Pyrene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
1-Methylnaphthalene	<0.040		0.040		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
2-Methylnaphthalene	<0.20		0.20		mg/Kg	✱	10/21/13 07:18	10/23/13 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	46		25 - 115				10/21/13 07:18	10/23/13 17:27	1
Terphenyl-d14 (Surr)	81		36 - 134				10/21/13 07:18	10/23/13 17:27	1
2-Fluorobiphenyl	47		25 - 119				10/21/13 07:18	10/23/13 17:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		0.56		mg/Kg	✱	10/18/13 16:30	10/24/13 01:23	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6 @ 12-13

Lab Sample ID: 500-65215-11

Date Collected: 10/17/13 13:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Benzene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Bromoform	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Bromomethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
2-Butanone (MEK)	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Carbon disulfide	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Carbon tetrachloride	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Chlorobenzene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Chlorodibromomethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Chloroethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Chloroform	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Chloromethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
cis-1,2-Dichloroethene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
cis-1,3-Dichloropropene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Cyclohexane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Dichlorobromomethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,1-Dichloroethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,2-Dichloroethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,1-Dichloroethene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,2-Dichloropropane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Ethylbenzene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Ethylene Dibromide	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
2-Hexanone	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Isopropylbenzene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Methyl acetate	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Methylcyclohexane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Methylene Chloride	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
4-Methyl-2-pentanone (MIBK)	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Methyl tert-butyl ether	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
m&p-Xylene	<0.011		0.011		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
o-Xylene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Styrene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Tetrachloroethene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Toluene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
trans-1,2-Dichloroethene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
trans-1,3-Dichloropropene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,1,1-Trichloroethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
1,1,2-Trichloroethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Trichloroethene	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Trichlorofluoromethane	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Vinyl acetate	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Vinyl chloride	<0.0054		0.0054		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1
Xylenes, Total	<0.011		0.011		mg/Kg	*	10/17/13 13:00	10/21/13 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 122	10/17/13 13:00	10/21/13 14:18	1
Dibromofluoromethane	99		75 - 120	10/17/13 13:00	10/21/13 14:18	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 134	10/17/13 13:00	10/21/13 14:18	1
Toluene-d8 (Surr)	94		75 - 122	10/17/13 13:00	10/21/13 14:18	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6 @ 12-13

Lab Sample ID: 500-65215-11

Date Collected: 10/17/13 13:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Acenaphthylene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Benzo[a]anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Benzo[a]pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Benzo[b]fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Benzo[g,h,i]perylene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Benzo[k]fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Chrysene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Dibenz(a,h)anthracene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Fluoranthene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Fluorene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Naphthalene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Phenanthrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Pyrene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
1-Methylnaphthalene	<0.035		0.035		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
2-Methylnaphthalene	<0.18		0.18		mg/Kg	*	10/21/13 07:18	10/23/13 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		25 - 115				10/21/13 07:18	10/23/13 17:46	1
Terphenyl-d14 (Surr)	94		36 - 134				10/21/13 07:18	10/23/13 17:46	1
2-Fluorobiphenyl	76		25 - 119				10/21/13 07:18	10/23/13 17:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.8		0.47		mg/Kg	*	10/18/13 16:30	10/24/13 01:27	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6 @ 18-19

Lab Sample ID: 500-65215-12

Date Collected: 10/17/13 13:15

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Benzene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Bromoform	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Bromomethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
2-Butanone (MEK)	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Carbon disulfide	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Carbon tetrachloride	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Chlorobenzene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Chlorodibromomethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Chloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Chloroform	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Chloromethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
cis-1,2-Dichloroethene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
cis-1,3-Dichloropropene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Cyclohexane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Dichlorobromomethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,1-Dichloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,2-Dichloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,1,1-Trichloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,2-Dichloropropane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Ethylbenzene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Ethylene Dibromide	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
2-Hexanone	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Isopropylbenzene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Methyl acetate	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Methylcyclohexane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Methylene Chloride	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
4-Methyl-2-pentanone (MIBK)	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Methyl tert-butyl ether	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
m&p-Xylene	<0.011		0.011		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
o-Xylene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Styrene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Tetrachloroethene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Toluene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
trans-1,2-Dichloroethene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
trans-1,3-Dichloropropene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,1,1-Trichloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
1,1,2-Trichloroethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Trichloroethene	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Trichlorofluoromethane	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Vinyl acetate	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Vinyl chloride	<0.0053		0.0053		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1
Xylenes, Total	<0.011		0.011		mg/Kg	*	10/17/13 13:15	10/23/13 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 122	10/17/13 13:15	10/23/13 18:52	1
Dibromofluoromethane	109		75 - 120	10/17/13 13:15	10/23/13 18:52	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/17/13 13:15	10/23/13 18:52	1
Toluene-d8 (Surr)	105		75 - 122	10/17/13 13:15	10/23/13 18:52	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6 @ 18-19

Lab Sample ID: 500-65215-12

Date Collected: 10/17/13 13:15

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Acenaphthylene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Anthracene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Benzo[a]anthracene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Benzo[a]pyrene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Benzo[b]fluoranthene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Benzo[g,h,i]perylene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Benzo[k]fluoranthene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Chrysene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Dibenz(a,h)anthracene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Fluoranthene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Fluorene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Naphthalene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Phenanthrene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
Pyrene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
1-Methylnaphthalene	<0.040		0.040		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1
2-Methylnaphthalene	<0.20		0.20		mg/Kg	☼	10/21/13 07:18	10/23/13 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	49		25 - 115	10/21/13 07:18	10/23/13 18:05	1
Terphenyl-d14 (Surr)	81		36 - 134	10/21/13 07:18	10/23/13 18:05	1
2-Fluorobiphenyl	48		25 - 119	10/21/13 07:18	10/23/13 18:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.3		0.56		mg/Kg	☼	10/18/13 16:30	10/24/13 01:31	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6

Lab Sample ID: 500-65215-13

Date Collected: 10/18/13 11:03

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/28/13 16:06	1
Benzene	<0.50		0.50		ug/L			10/28/13 16:06	1
Bromoform	<1.0		1.0		ug/L			10/28/13 16:06	1
Bromomethane	<1.0		1.0		ug/L			10/28/13 16:06	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/28/13 16:06	1
Carbon disulfide	<5.0		5.0		ug/L			10/28/13 16:06	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/28/13 16:06	1
Chlorobenzene	<1.0		1.0		ug/L			10/28/13 16:06	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/28/13 16:06	1
Chloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
Chloroform	<1.0		1.0		ug/L			10/28/13 16:06	1
Chloromethane	<1.0		1.0		ug/L			10/28/13 16:06	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/28/13 16:06	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/28/13 16:06	1
Cyclohexane	<1.0		1.0		ug/L			10/28/13 16:06	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/28/13 16:06	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
1,1,1-Dichloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/28/13 16:06	1
Ethylbenzene	<0.50		0.50		ug/L			10/28/13 16:06	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/28/13 16:06	1
2-Hexanone	<5.0		5.0		ug/L			10/28/13 16:06	1
Isopropylbenzene	<1.0		1.0		ug/L			10/28/13 16:06	1
Methyl acetate	<2.0		2.0		ug/L			10/28/13 16:06	1
Methylcyclohexane	<1.0		1.0		ug/L			10/28/13 16:06	1
Methylene Chloride	<5.0		5.0		ug/L			10/28/13 16:06	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/28/13 16:06	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/28/13 16:06	1
m&p-Xylene	<1.0		1.0		ug/L			10/28/13 16:06	1
o-Xylene	<0.50		0.50		ug/L			10/28/13 16:06	1
Styrene	<1.0		1.0		ug/L			10/28/13 16:06	1
Tetrachloroethene	<1.0		1.0		ug/L			10/28/13 16:06	1
Toluene	<0.50		0.50		ug/L			10/28/13 16:06	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/28/13 16:06	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/28/13 16:06	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/28/13 16:06	1
Trichloroethene	<0.50		0.50		ug/L			10/28/13 16:06	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/28/13 16:06	1
Vinyl acetate	<2.0		2.0		ug/L			10/28/13 16:06	1
Vinyl chloride	<0.50		0.50		ug/L			10/28/13 16:06	1
Xylenes, Total	<1.0		1.0		ug/L			10/28/13 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120		10/28/13 16:06	1
Dibromofluoromethane	92		75 - 120		10/28/13 16:06	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 125		10/28/13 16:06	1
Toluene-d8 (Surr)	95		75 - 120		10/28/13 16:06	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6

Lab Sample ID: 500-65215-13

Date Collected: 10/18/13 11:03

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Acenaphthylene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Anthracene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/21/13 07:32	10/24/13 15:00	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/21/13 07:32	10/24/13 15:00	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/21/13 07:32	10/24/13 15:00	1
Benzo[g,h,i]perylene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/21/13 07:32	10/24/13 15:00	1
Chrysene	<0.49		0.49		ug/L		10/21/13 07:32	10/24/13 15:00	1
Dibenz[a,h]anthracene	<0.29		0.29		ug/L		10/21/13 07:32	10/24/13 15:00	1
Fluoranthene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Fluorene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/21/13 07:32	10/24/13 15:00	1
Naphthalene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Phenanthrene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
Pyrene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
1-Methylnaphthalene	<0.98		0.98		ug/L		10/21/13 07:32	10/24/13 15:00	1
2-Methylnaphthalene	<0.49		0.49		ug/L		10/21/13 07:32	10/24/13 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		47 - 134				10/21/13 07:32	10/24/13 15:00	1
Terphenyl-d14 (Surr)	99		59 - 150				10/21/13 07:32	10/24/13 15:00	1
2-Fluorobiphenyl	57		41 - 132				10/21/13 07:32	10/24/13 15:00	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0050		0.0050		mg/L		10/21/13 07:45	10/24/13 00:18	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Field Duplicate-S

Lab Sample ID: 500-65215-14

Date Collected: 10/17/13 00:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0066		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Benzene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Bromoform	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Bromomethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
2-Butanone (MEK)	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Carbon disulfide	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Carbon tetrachloride	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Chlorobenzene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Chlorodibromomethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Chloroethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Chloroform	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Chloromethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
cis-1,2-Dichloroethene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
cis-1,3-Dichloropropene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Cyclohexane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Dichlorobromomethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,1-Dichloroethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,2-Dichloroethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,1-Dichloroethene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,2-Dichloropropane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Ethylbenzene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Ethylene Dibromide	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
2-Hexanone	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Isopropylbenzene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Methyl acetate	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Methylcyclohexane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Methylene Chloride	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
4-Methyl-2-pentanone (MIBK)	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Methyl tert-butyl ether	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
m&p-Xylene	<0.012		0.012		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
o-Xylene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Styrene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Tetrachloroethene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Toluene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
trans-1,2-Dichloroethene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
trans-1,3-Dichloropropene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,1,1-Trichloroethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
1,1,2-Trichloroethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Trichloroethene	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Trichlorofluoromethane	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Vinyl acetate	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Vinyl chloride	<0.0058		0.0058		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Xylenes, Total	<0.012		0.012		mg/Kg	*	10/17/13 00:00	10/21/13 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 122				10/17/13 00:00	10/21/13 15:21	1
Dibromofluoromethane	116		75 - 120				10/17/13 00:00	10/21/13 15:21	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134				10/17/13 00:00	10/21/13 15:21	1
Toluene-d8 (Surr)	98		75 - 122				10/17/13 00:00	10/21/13 15:21	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Field Duplicate-S

Lab Sample ID: 500-65215-14

Date Collected: 10/17/13 00:00

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Acenaphthylene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Anthracene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Benzo[a]anthracene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Benzo[a]pyrene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Benzo[b]fluoranthene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Benzo[g,h,i]perylene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Benzo[k]fluoranthene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Chrysene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Dibenz(a,h)anthracene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Fluoranthene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Fluorene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Naphthalene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Phenanthrene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
Pyrene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
1-Methylnaphthalene	<0.036		0.036		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1
2-Methylnaphthalene	<0.18		0.18		mg/Kg	✱	10/21/13 07:18	10/23/13 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		25 - 115	10/21/13 07:18	10/23/13 18:24	1
Terphenyl-d14 (Surr)	93		36 - 134	10/21/13 07:18	10/23/13 18:24	1
2-Fluorobiphenyl	66		25 - 119	10/21/13 07:18	10/23/13 18:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		0.48		mg/Kg	✱	10/18/13 16:30	10/24/13 01:35	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Field Duplicate-G

Lab Sample ID: 500-65215-15

Date Collected: 10/18/13 00:00

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 23:03	1
Benzene	<0.50		0.50		ug/L			10/25/13 23:03	1
Bromoform	<1.0		1.0		ug/L			10/25/13 23:03	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 23:03	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 23:03	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 23:03	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 23:03	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 23:03	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 23:03	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 23:03	1
Chloroform	<1.0		1.0		ug/L			10/25/13 23:03	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 23:03	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 23:03	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 23:03	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 23:03	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 23:03	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 23:03	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 23:03	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/25/13 23:03	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 23:03	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 23:03	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 23:03	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 23:03	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 23:03	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 23:03	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 23:03	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 23:03	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 23:03	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 23:03	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 23:03	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 23:03	1
Styrene	<1.0		1.0		ug/L			10/25/13 23:03	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 23:03	1
Toluene	<0.50		0.50		ug/L			10/25/13 23:03	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 23:03	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 23:03	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 23:03	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 23:03	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 23:03	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 23:03	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 23:03	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 23:03	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120					10/25/13 23:03	1
Dibromofluoromethane	92		75 - 120					10/25/13 23:03	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 125					10/25/13 23:03	1
Toluene-d8 (Surr)	92		75 - 120					10/25/13 23:03	1

TestAmerica Chicago

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Field Duplicate-G

Lab Sample ID: 500-65215-15

Date Collected: 10/18/13 00:00

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Acenaphthylene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Anthracene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Benzo[a]anthracene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 15:24	1
Benzo[a]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 15:24	1
Benzo[b]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 15:24	1
Benzo[g,h,i]perylene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Benzo[k]fluoranthene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 15:24	1
Chrysene	<0.39		0.39		ug/L		10/21/13 07:32	10/24/13 15:24	1
Dibenz(a,h)anthracene	<0.23		0.23		ug/L		10/21/13 07:32	10/24/13 15:24	1
Fluoranthene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Fluorene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15		ug/L		10/21/13 07:32	10/24/13 15:24	1
Naphthalene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Phenanthrene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
Pyrene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
1-Methylnaphthalene	<0.77		0.77		ug/L		10/21/13 07:32	10/24/13 15:24	1
2-Methylnaphthalene	<0.39		0.39		ug/L		10/21/13 07:32	10/24/13 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	59		47 - 134				10/21/13 07:32	10/24/13 15:24	1
Terphenyl-d14 (Surr)	82		59 - 150				10/21/13 07:32	10/24/13 15:24	1
2-Fluorobiphenyl	49		41 - 132				10/21/13 07:32	10/24/13 15:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.056		0.0050		mg/L		10/21/13 07:45	10/24/13 00:22	1

Client Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-65215-16

Date Collected: 10/17/13 00:00

Matrix: Water

Date Received: 10/18/13 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 16:20	1
Benzene	<0.50		0.50		ug/L			10/25/13 16:20	1
Bromoform	<1.0		1.0		ug/L			10/25/13 16:20	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 16:20	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 16:20	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 16:20	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 16:20	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 16:20	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 16:20	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 16:20	1
Chloroform	<1.0		1.0		ug/L			10/25/13 16:20	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 16:20	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 16:20	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 16:20	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 16:20	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 16:20	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 16:20	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 16:20	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/25/13 16:20	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 16:20	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 16:20	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 16:20	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 16:20	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 16:20	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 16:20	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 16:20	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 16:20	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 16:20	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 16:20	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 16:20	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 16:20	1
Styrene	<1.0		1.0		ug/L			10/25/13 16:20	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 16:20	1
Toluene	<0.50		0.50		ug/L			10/25/13 16:20	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 16:20	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 16:20	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 16:20	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 16:20	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 16:20	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 16:20	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 16:20	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 16:20	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120					10/25/13 16:20	1
Dibromofluoromethane	96		75 - 120					10/25/13 16:20	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 125					10/25/13 16:20	1
Toluene-d8 (Surr)	94		75 - 120					10/25/13 16:20	1

TestAmerica Chicago

Definitions/Glossary

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

GC/MS VOA

Prep Batch: 207863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	5035	
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	5035	
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	5035	
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	5035	
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	5035	
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	5035	
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	5035	
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	5035	
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	5035	
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	5035	
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	5035	
500-65215-14	Field Duplicate-S	Total/NA	Solid	5035	

Analysis Batch: 207912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	8260B	207863
500-65215-14	Field Duplicate-S	Total/NA	Solid	8260B	207863
LCS 500-207912/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-207912/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 208236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	8260B	207863
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	8260B	207863
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	8260B	207863
LCS 500-208236/26	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-208236/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 208704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-2	SB-1	Total/NA	Water	8260B	
500-65215-2 MS	SB-1	Total/NA	Water	8260B	
500-65215-2 MSD	SB-1	Total/NA	Water	8260B	
500-65215-5	SB-2	Total/NA	Water	8260B	
500-65215-7	SB-3	Total/NA	Water	8260B	
500-65215-15	Field Duplicate-G	Total/NA	Water	8260B	
500-65215-16	Trip Blank	Total/NA	Water	8260B	
LCS 500-208704/5	Lab Control Sample	Total/NA	Water	8260B	
MB 500-208704/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 208941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	8260B	207863
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	8260B	207863
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	8260B	207863
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	8260B	207863
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	8260B	207863
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	8260B	207863
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	8260B	207863
LCS 500-208941/6	Lab Control Sample	Total/NA	Solid	8260B	
LCS 500-208941/7	Lab Control Sample Dup	Total/NA	Solid	8260B	

TestAmerica Chicago

QC Association Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

GC/MS VOA (Continued)

Analysis Batch: 208941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-208941/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 208984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-13	SB-6	Total/NA	Water	8260B	
LCS 500-208984/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-208984/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 207875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	3541	
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	3541	
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	3541	
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	3541	
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	3541	
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	3541	
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	3541	
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	3541	
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	3541	
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	3541	
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	3541	
500-65215-14	Field Duplicate-S	Total/NA	Solid	3541	
LCS 500-207875/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-207875/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 207879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-2	SB-1	Total/NA	Water	3510C	
500-65215-2 MS	SB-1	Total/NA	Water	3510C	
500-65215-2 MSD	SB-1	Total/NA	Water	3510C	
500-65215-5	SB-2	Total/NA	Water	3510C	
500-65215-7	SB-3	Total/NA	Water	3510C	
500-65215-13	SB-6	Total/NA	Water	3510C	
500-65215-15	Field Duplicate-G	Total/NA	Water	3510C	
LCS 500-207879/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 500-207879/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 208084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-207875/2-A	Lab Control Sample	Total/NA	Solid	8270D	207875
MB 500-207875/1-A	Method Blank	Total/NA	Solid	8270D	207875

Analysis Batch: 208305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	8270D	207875
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	8270D	207875
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	8270D	207875
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	8270D	207875

TestAmerica Chicago



QC Association Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

GC/MS Semi VOA (Continued)

Analysis Batch: 208305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	8270D	207875
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	8270D	207875
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	8270D	207875
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	8270D	207875
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	8270D	207875
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	8270D	207875
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	8270D	207875
500-65215-14	Field Duplicate-S	Total/NA	Solid	8270D	207875

Analysis Batch: 208489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-2	SB-1	Total/NA	Water	8270D	207879
500-65215-2 MS	SB-1	Total/NA	Water	8270D	207879
500-65215-2 MSD	SB-1	Total/NA	Water	8270D	207879
500-65215-5	SB-2	Total/NA	Water	8270D	207879
500-65215-7	SB-3	Total/NA	Water	8270D	207879
500-65215-13	SB-6	Total/NA	Water	8270D	207879
500-65215-15	Field Duplicate-G	Total/NA	Water	8270D	207879
LCS 500-207879/2-A	Lab Control Sample	Total/NA	Water	8270D	207879
MB 500-207879/1-A	Method Blank	Total/NA	Water	8270D	207879

Metals

Prep Batch: 207764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	3050B	
500-65215-1 DU	SB-1 @ 12-13'	Total/NA	Solid	3050B	
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	3050B	
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	3050B	
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	3050B	
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	3050B	
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	3050B	
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	3050B	
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	3050B	
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	3050B	
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	3050B	
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	3050B	
500-65215-14	Field Duplicate-S	Total/NA	Solid	3050B	
LCS 500-207764/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-207764/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 207908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-2	SB-1	Total/NA	Water	3010A	
500-65215-2 DU	SB-1	Total/NA	Water	3010A	
500-65215-2 MS	SB-1	Total/NA	Water	3010A	
500-65215-2 MSD	SB-1	Total/NA	Water	3010A	
500-65215-5	SB-2	Total/NA	Water	3010A	
500-65215-7	SB-3	Total/NA	Water	3010A	
500-65215-13	SB-6	Total/NA	Water	3010A	

TestAmerica Chicago

QC Association Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Metals (Continued)

Prep Batch: 207908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-15	Field Duplicate-G	Total/NA	Water	3010A	
LCS 500-207908/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-207908/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 208475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	6010C	207764
500-65215-1 DU	SB-1 @ 12-13'	Total/NA	Solid	6010C	207764
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	6010C	207764
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	6010C	207764
500-65215-2	SB-1	Total/NA	Water	6010C	207908
500-65215-2 DU	SB-1	Total/NA	Water	6010C	207908
500-65215-2 MS	SB-1	Total/NA	Water	6010C	207908
500-65215-2 MSD	SB-1	Total/NA	Water	6010C	207908
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	6010C	207764
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	6010C	207764
500-65215-5	SB-2	Total/NA	Water	6010C	207908
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	6010C	207764
500-65215-7	SB-3	Total/NA	Water	6010C	207908
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	6010C	207764
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	6010C	207764
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	6010C	207764
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	6010C	207764
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	6010C	207764
500-65215-13	SB-6	Total/NA	Water	6010C	207908
500-65215-14	Field Duplicate-S	Total/NA	Solid	6010C	207764
500-65215-15	Field Duplicate-G	Total/NA	Water	6010C	207908
LCS 500-207764/2-A	Lab Control Sample	Total/NA	Solid	6010C	207764
LCS 500-207908/2-A	Lab Control Sample	Total/NA	Water	6010C	207908
MB 500-207764/1-A	Method Blank	Total/NA	Solid	6010C	207764
MB 500-207908/1-A	Method Blank	Total/NA	Water	6010C	207908

General Chemistry

Analysis Batch: 208096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-65215-1	SB-1 @ 12-13'	Total/NA	Solid	Moisture	
500-65215-1 DU	SB-1 @ 12-13'	Total/NA	Solid	Moisture	
500-65215-1 MS	SB-1 @ 12-13'	Total/NA	Solid	Moisture	
500-65215-1 MSD	SB-1 @ 12-13'	Total/NA	Solid	Moisture	
500-65215-3	SB-2 @ 12.5-13.5	Total/NA	Solid	Moisture	
500-65215-4	SB-2 @ 20-21	Total/NA	Solid	Moisture	
500-65215-6	SB-3 @ 12-13	Total/NA	Solid	Moisture	
500-65215-8	SB-4 @ 11-12	Total/NA	Solid	Moisture	
500-65215-9	SB-5 @ 12-13	Total/NA	Solid	Moisture	
500-65215-10	SB-5 @ 18-19	Total/NA	Solid	Moisture	
500-65215-11	SB-6 @ 12-13	Total/NA	Solid	Moisture	
500-65215-12	SB-6 @ 18-19	Total/NA	Solid	Moisture	
500-65215-14	Field Duplicate-S	Total/NA	Solid	Moisture	

TestAmerica Chicago

Surrogate Summary

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-122)	DBFM (75-120)	12DCE (70-134)	TOL (75-122)
500-65215-1	SB-1 @ 12-13'	113	108	115	105
500-65215-1 MS	SB-1 @ 12-13'	114	107	111	109
500-65215-1 MSD	SB-1 @ 12-13'	114	105	105	110
500-65215-3	SB-2 @ 12.5-13.5	113	106	111	107
500-65215-4	SB-2 @ 20-21	109	109	106	106
500-65215-6	SB-3 @ 12-13	113	109	116	107
500-65215-8	SB-4 @ 11-12	113	106	108	108
500-65215-9	SB-5 @ 12-13	113	109	115	105
500-65215-10	SB-5 @ 18-19	115	105	112	105
500-65215-11	SB-6 @ 12-13	86	99	82	94
500-65215-12	SB-6 @ 18-19	115	109	109	105
500-65215-14	Field Duplicate-S	86	116	95	98
LCS 500-207912/6	Lab Control Sample	83	104	100	97
LCS 500-208236/26	Lab Control Sample	116	107	111	107
LCS 500-208941/6	Lab Control Sample	118	106	110	111
LCSD 500-208941/7	Lab Control Sample Dup	118	106	108	110
MB 500-207912/5	Method Blank	85	115	103	93
MB 500-208236/5	Method Blank	115	112	118	105
MB 500-208941/5	Method Blank	114	111	115	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-120)	DBFM (75-120)	12DCE (75-125)	TOL (75-120)
500-65215-2	SB-1	98	93	91	94
500-65215-2 MS	SB-1	92	96	91	96
500-65215-2 MSD	SB-1	93	91	93	95
500-65215-5	SB-2	100	93	95	93
500-65215-7	SB-3	98	92	93	92
500-65215-13	SB-6	100	92	92	95
500-65215-15	Field Duplicate-G	94	92	93	92
500-65215-16	Trip Blank	96	96	92	94
LCS 500-208704/5	Lab Control Sample	94	91	88	92
LCS 500-208984/4	Lab Control Sample	97	91	91	95
MB 500-208704/7	Method Blank	94	93	93	90
MB 500-208984/6	Method Blank	87	100	93	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

TestAmerica Chicago

Surrogate Summary

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (25-115)	TPH (36-134)	FBP (25-119)
500-65215-1	SB-1 @ 12-13'	81	112	83
500-65215-1 MS	SB-1 @ 12-13'	75	89	85
500-65215-1 MSD	SB-1 @ 12-13'	80	91	95
500-65215-3	SB-2 @ 12.5-13.5	88	109	85
500-65215-4	SB-2 @ 20-21	58	92	58
500-65215-6	SB-3 @ 12-13	73	106	76
500-65215-8	SB-4 @ 11-12	47	78	48
500-65215-9	SB-5 @ 12-13	77	105	79
500-65215-10	SB-5 @ 18-19	46	81	47
500-65215-11	SB-6 @ 12-13	74	94	76
500-65215-12	SB-6 @ 18-19	49	81	48
500-65215-14	Field Duplicate-S	68	93	66
LCS 500-207875/2-A	Lab Control Sample	88	102	97
MB 500-207875/1-A	Method Blank	91	91	96

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)
 FBP = 2-Fluorobiphenyl

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (47-134)	TPH (59-150)	FBP (41-132)
500-65215-2	SB-1	56	86	46
500-65215-2 MS	SB-1	61	67	52
500-65215-2 MSD	SB-1	64	81	54
500-65215-5	SB-2	66	87	55
500-65215-7	SB-3	70	96	59
500-65215-13	SB-6	75	99	57
500-65215-15	Field Duplicate-G	59	82	49
LCS 500-207879/2-A	Lab Control Sample	76	93	61
MB 500-207879/1-A	Method Blank	74	100	59

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)
 FBP = 2-Fluorobiphenyl

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: 500-65215-1 MS
 Matrix: Solid
 Analysis Batch: 208941

Client Sample ID: SB-1 @ 12-13'
 Prep Type: Total/NA
 Prep Batch: 207863

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Acetone	<0.0057		0.0478	0.0502		mg/Kg	✱	105	50 - 138
Benzene	<0.0057		0.0478	0.0427		mg/Kg	✱	89	70 - 120
Bromoform	<0.0057		0.0478	0.0399		mg/Kg	✱	83	63 - 124
Bromomethane	<0.0057		0.0478	0.0317		mg/Kg	✱	66	50 - 150
2-Butanone (MEK)	<0.0057		0.0478	0.0370		mg/Kg	✱	77	58 - 133
Carbon disulfide	<0.0057		0.0478	0.0368		mg/Kg	✱	77	50 - 120
Carbon tetrachloride	<0.0057		0.0478	0.0461		mg/Kg	✱	96	63 - 124
Chlorobenzene	<0.0057		0.0478	0.0407		mg/Kg	✱	85	70 - 120
Chlorodibromomethane	<0.0057		0.0478	0.0422		mg/Kg	✱	88	70 - 120
Chloroethane	<0.0057		0.0478	0.0378		mg/Kg	✱	79	50 - 150
Chloroform	<0.0057		0.0478	0.0462		mg/Kg	✱	97	70 - 120
Chloromethane	<0.0057		0.0478	0.0394		mg/Kg	✱	82	50 - 130
cis-1,2-Dichloroethene	<0.0057		0.0478	0.0441		mg/Kg	✱	92	70 - 120
cis-1,3-Dichloropropene	<0.0057		0.0478	0.0389		mg/Kg	✱	81	70 - 120
Dichlorobromomethane	<0.0057		0.0478	0.0448		mg/Kg	✱	94	70 - 120
1,1-Dichloroethane	<0.0057		0.0478	0.0450		mg/Kg	✱	94	67 - 120
1,2-Dichloroethane	<0.0057		0.0478	0.0491		mg/Kg	✱	103	68 - 123
1,1-Dichloroethene	<0.0057		0.0478	0.0427		mg/Kg	✱	89	53 - 122
1,2-Dichloropropane	<0.0057		0.0478	0.0433		mg/Kg	✱	91	70 - 120
Ethylbenzene	<0.0057		0.0478	0.0392		mg/Kg	✱	82	70 - 120
Ethylene Dibromide	<0.0057		0.0478	0.0427		mg/Kg	✱	89	70 - 120
2-Hexanone	<0.0057		0.0478	0.0377		mg/Kg	✱	79	64 - 130
Isopropylbenzene	<0.0057		0.0478	0.0380		mg/Kg	✱	80	67 - 120
Methylene Chloride	<0.0057		0.0478	0.0448		mg/Kg	✱	94	65 - 124
4-Methyl-2-pentanone (MIBK)	<0.0057		0.0478	0.0361		mg/Kg	✱	75	68 - 126
Methyl tert-butyl ether	<0.0057		0.0478	0.0441		mg/Kg	✱	92	62 - 123
m&p-Xylene	<0.011		0.0478	0.0425		mg/Kg	✱	89	70 - 120
o-Xylene	<0.0057		0.0478	0.0411		mg/Kg	✱	86	70 - 120
Styrene	<0.0057		0.0478	0.0393		mg/Kg	✱	82	75 - 120
Tetrachloroethene	<0.0057		0.0478	0.0415		mg/Kg	✱	87	70 - 120
Toluene	<0.0057		0.0478	0.0428		mg/Kg	✱	90	70 - 120
trans-1,2-Dichloroethene	<0.0057		0.0478	0.0436		mg/Kg	✱	91	68 - 125
trans-1,3-Dichloropropene	<0.0057		0.0478	0.0384		mg/Kg	✱	80	68 - 120
1,1,1-Trichloroethane	<0.0057		0.0478	0.0446		mg/Kg	✱	93	66 - 127
1,1,2-Trichloroethane	<0.0057		0.0478	0.0442		mg/Kg	✱	92	70 - 120
Trichloroethene	<0.0057		0.0478	0.0436		mg/Kg	✱	91	70 - 120
Trichlorofluoromethane	<0.0057		0.0478	0.0351		mg/Kg	✱	73	60 - 146
Vinyl acetate	<0.0057		0.0478	0.0325		mg/Kg	✱	68	50 - 150
Vinyl chloride	<0.0057		0.0478	0.0384		mg/Kg	✱	80	61 - 137
Xylenes, Total	<0.011		0.0956	0.0836		mg/Kg	✱	87	70 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 122
Dibromofluoromethane	107		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		70 - 134
Toluene-d8 (Surr)	109		75 - 122

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: 500-65215-1 MSD
 Matrix: Solid
 Analysis Batch: 208941

Client Sample ID: SB-1 @ 12-13'
 Prep Type: Total/NA
 Prep Batch: 207863

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Acetone	<0.0057		0.0585	0.0674		mg/Kg	*	115	50 - 138	29	30
Benzene	<0.0057		0.0585	0.0569		mg/Kg	*	97	70 - 120	29	30
Bromoform	<0.0057		0.0585	0.0537		mg/Kg	*	92	63 - 124	30	30
Bromomethane	<0.0057		0.0585	0.0428		mg/Kg	*	73	50 - 150	30	30
2-Butanone (MEK)	<0.0057		0.0585	0.0454		mg/Kg	*	78	58 - 133	20	30
Carbon disulfide	<0.0057		0.0585	0.0492		mg/Kg	*	84	50 - 120	29	30
Carbon tetrachloride	<0.0057		0.0585	0.0601		mg/Kg	*	103	63 - 124	26	30
Chlorobenzene	<0.0057		0.0585	0.0588	F	mg/Kg	*	100	70 - 120	36	30
Chlorodibromomethane	<0.0057		0.0585	0.0561		mg/Kg	*	96	70 - 120	28	30
Chloroethane	<0.0057		0.0585	0.0455		mg/Kg	*	78	50 - 150	19	30
Chloroform	<0.0057		0.0585	0.0607		mg/Kg	*	104	70 - 120	27	30
Chloromethane	<0.0057		0.0585	0.0529		mg/Kg	*	90	50 - 130	29	30
cis-1,2-Dichloroethene	<0.0057		0.0585	0.0578		mg/Kg	*	99	70 - 120	27	30
cis-1,3-Dichloropropene	<0.0057		0.0585	0.0547	F	mg/Kg	*	93	70 - 120	34	30
Dichlorobromomethane	<0.0057		0.0585	0.0580		mg/Kg	*	99	70 - 120	26	30
1,1-Dichloroethane	<0.0057		0.0585	0.0587		mg/Kg	*	100	67 - 120	26	30
1,2-Dichloroethane	<0.0057		0.0585	0.0652		mg/Kg	*	111	68 - 123	28	30
1,1-Dichloroethene	<0.0057		0.0585	0.0559		mg/Kg	*	96	53 - 122	27	30
1,2-Dichloropropane	<0.0057		0.0585	0.0592	F	mg/Kg	*	101	70 - 120	31	30
Ethylbenzene	<0.0057		0.0585	0.0563	F	mg/Kg	*	96	70 - 120	36	30
Ethylene Dibromide	<0.0057		0.0585	0.0554		mg/Kg	*	95	70 - 120	26	30
2-Hexanone	<0.0057		0.0585	0.0470		mg/Kg	*	80	64 - 130	22	30
Isopropylbenzene	<0.0057		0.0585	0.0568	F	mg/Kg	*	97	67 - 120	40	30
Methylene Chloride	<0.0057		0.0585	0.0603		mg/Kg	*	103	65 - 124	30	30
4-Methyl-2-pentanone (MIBK)	<0.0057		0.0585	0.0433		mg/Kg	*	74	68 - 126	18	30
Methyl tert-butyl ether	<0.0057		0.0585	0.0553		mg/Kg	*	94	62 - 123	22	30
m&p-Xylene	<0.011		0.0585	0.0603	F	mg/Kg	*	103	70 - 120	35	30
o-Xylene	<0.0057		0.0585	0.0579	F	mg/Kg	*	99	70 - 120	34	30
Styrene	<0.0057		0.0585	0.0562	F	mg/Kg	*	96	75 - 120	35	30
Tetrachloroethene	<0.0057		0.0585	0.0576	F	mg/Kg	*	98	70 - 120	33	30
Toluene	<0.0057		0.0585	0.0590	F	mg/Kg	*	101	70 - 120	32	30
trans-1,2-Dichloroethene	<0.0057		0.0585	0.0565		mg/Kg	*	97	68 - 125	26	30
trans-1,3-Dichloropropene	<0.0057		0.0585	0.0523	F	mg/Kg	*	89	68 - 120	31	30
1,1,1-Trichloroethane	<0.0057		0.0585	0.0603		mg/Kg	*	103	66 - 127	30	30
1,1,2-Trichloroethane	<0.0057		0.0585	0.0584		mg/Kg	*	100	70 - 120	28	30
Trichloroethene	<0.0057		0.0585	0.0611	F	mg/Kg	*	104	70 - 120	33	30
Trichlorofluoromethane	<0.0057		0.0585	0.0470		mg/Kg	*	80	60 - 146	29	30
Vinyl acetate	<0.0057		0.0585	0.0391		mg/Kg	*	67	50 - 150	19	30
Vinyl chloride	<0.0057		0.0585	0.0520		mg/Kg	*	89	61 - 137	30	30
Xylenes, Total	<0.011		0.117	0.118	F	mg/Kg	*	101	70 - 120	34	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 122
Dibromofluoromethane	105		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		70 - 134
Toluene-d8 (Surr)	110		75 - 122

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-207912/5
 Matrix: Solid
 Analysis Batch: 207912

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		mg/Kg			10/21/13 11:37	1
Benzene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Bromoform	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Bromomethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
2-Butanone (MEK)	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Carbon disulfide	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Carbon tetrachloride	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Chlorobenzene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Chlorodibromomethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Chloroethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Chloroform	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Chloromethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
cis-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
cis-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Cyclohexane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Dichlorobromomethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,1-Dichloroethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,2-Dichloroethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,1-Dichloroethene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,2-Dichloropropane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Ethylbenzene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Ethylene Dibromide	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
2-Hexanone	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Isopropylbenzene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Methyl acetate	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Methylcyclohexane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Methylene Chloride	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Methyl tert-butyl ether	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
m&p-Xylene	<0.010		0.010		mg/Kg			10/21/13 11:37	1
o-Xylene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Styrene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Tetrachloroethene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Toluene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
trans-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
trans-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,1,1-Trichloroethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
1,1,2-Trichloroethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Trichloroethene	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Trichlorofluoromethane	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Vinyl acetate	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Vinyl chloride	<0.0050		0.0050		mg/Kg			10/21/13 11:37	1
Xylenes, Total	<0.010		0.010		mg/Kg			10/21/13 11:37	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	85		70 - 122		10/21/13 11:37	1
Dibromofluoromethane	115		75 - 120		10/21/13 11:37	1

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-207912/5
 Matrix: Solid
 Analysis Batch: 207912

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

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		10/21/13 11:37	1
Toluene-d8 (Surr)	93		75 - 122		10/21/13 11:37	1

Lab Sample ID: LCS 500-207912/6
 Matrix: Solid
 Analysis Batch: 207912

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	0.0423		mg/Kg		85	50 - 138	
Benzene	0.0500	0.0500		mg/Kg		100	70 - 120	
Bromoform	0.0500	0.0576		mg/Kg		115	63 - 124	
Bromomethane	0.0500	0.0575		mg/Kg		115	50 - 150	
2-Butanone (MEK)	0.0500	0.0485		mg/Kg		97	58 - 133	
Carbon disulfide	0.0500	0.0469		mg/Kg		94	50 - 120	
Carbon tetrachloride	0.0500	0.0573		mg/Kg		115	63 - 124	
Chlorobenzene	0.0500	0.0517		mg/Kg		103	70 - 120	
Chlorodibromomethane	0.0500	0.0549		mg/Kg		110	70 - 120	
Chloroethane	0.0500	0.0451		mg/Kg		90	50 - 150	
Chloroform	0.0500	0.0539		mg/Kg		108	70 - 120	
Chloromethane	0.0500	0.0427		mg/Kg		85	50 - 130	
cis-1,2-Dichloroethene	0.0500	0.0516		mg/Kg		103	70 - 120	
cis-1,3-Dichloropropene	0.0500	0.0462		mg/Kg		92	70 - 120	
Dichlorobromomethane	0.0500	0.0537		mg/Kg		107	70 - 120	
1,1-Dichloroethane	0.0500	0.0489		mg/Kg		98	67 - 120	
1,2-Dichloroethane	0.0500	0.0560		mg/Kg		112	68 - 123	
1,1-Dichloroethene	0.0500	0.0507		mg/Kg		101	53 - 122	
1,2-Dichloropropane	0.0500	0.0480		mg/Kg		96	70 - 120	
Ethylbenzene	0.0500	0.0494		mg/Kg		99	70 - 120	
Ethylene Dibromide	0.0500	0.0520		mg/Kg		104	70 - 120	
2-Hexanone	0.0500	0.0390		mg/Kg		78	64 - 130	
Isopropylbenzene	0.0500	0.0478		mg/Kg		96	67 - 120	
Methylene Chloride	0.0500	0.0489		mg/Kg		98	65 - 124	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0407		mg/Kg		81	68 - 126	
Methyl tert-butyl ether	0.0500	0.0517		mg/Kg		103	62 - 123	
m&p-Xylene	0.0500	0.0510		mg/Kg		102	70 - 120	
o-Xylene	0.0500	0.0519		mg/Kg		104	70 - 120	
Styrene	0.0500	0.0495		mg/Kg		99	75 - 120	
Tetrachloroethene	0.0500	0.0589		mg/Kg		118	70 - 120	
Toluene	0.0500	0.0475		mg/Kg		95	70 - 120	
trans-1,2-Dichloroethene	0.0500	0.0494		mg/Kg		99	68 - 125	
trans-1,3-Dichloropropene	0.0500	0.0487		mg/Kg		97	68 - 120	
1,1,1-Trichloroethane	0.0500	0.0562		mg/Kg		112	66 - 127	
1,1,2-Trichloroethane	0.0500	0.0495		mg/Kg		99	70 - 120	
Trichloroethene	0.0500	0.0568		mg/Kg		114	70 - 120	
Trichlorofluoromethane	0.0500	0.0324		mg/Kg		65	60 - 146	
Vinyl acetate	0.0500	0.0393		mg/Kg		79	50 - 150	
Vinyl chloride	0.0500	0.0451		mg/Kg		90	61 - 137	
Xylenes, Total	0.100	0.103		mg/Kg		103	70 - 120	

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-207912/6
 Matrix: Solid
 Analysis Batch: 207912

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

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		70 - 122
Dibromofluoromethane	104		75 - 120
1,2-Dichloroethane-d4 (Surr)	100		70 - 134
Toluene-d8 (Surr)	97		75 - 122

Lab Sample ID: MB 500-208236/5
 Matrix: Solid
 Analysis Batch: 208236

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		mg/Kg			10/23/13 09:43	1
Benzene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Bromoform	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Bromomethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
2-Butanone (MEK)	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Carbon disulfide	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Carbon tetrachloride	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Chlorobenzene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Chlorodibromomethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Chloroethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Chloroform	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Chloromethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
cis-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
cis-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Cyclohexane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Dichlorobromomethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,1-Dichloroethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,2-Dichloroethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,1-Dichloroethene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,2-Dichloropropane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Ethylbenzene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Ethylene Dibromide	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
2-Hexanone	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Isopropylbenzene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Methyl acetate	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Methylcyclohexane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Methylene Chloride	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Methyl tert-butyl ether	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
m&p-Xylene	<0.010		0.010		mg/Kg			10/23/13 09:43	1
o-Xylene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Styrene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Tetrachloroethene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Toluene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
trans-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
trans-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,1,1-Trichloroethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
1,1,2-Trichloroethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-208236/5

Matrix: Solid

Analysis Batch: 208236

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichloroethene	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Trichlorofluoromethane	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Vinyl acetate	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Vinyl chloride	<0.0050		0.0050		mg/Kg			10/23/13 09:43	1
Xylenes, Total	<0.010		0.010		mg/Kg			10/23/13 09:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	115		70 - 122		10/23/13 09:43	1
Dibromofluoromethane	112		75 - 120		10/23/13 09:43	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134		10/23/13 09:43	1
Toluene-d8 (Surr)	105		75 - 122		10/23/13 09:43	1

Lab Sample ID: LCS 500-208236/26

Matrix: Solid

Analysis Batch: 208236

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	0.0441		mg/Kg		88	50 - 138
Benzene	0.0500	0.0450		mg/Kg		90	70 - 120
Bromoform	0.0500	0.0440		mg/Kg		88	63 - 124
Bromomethane	0.0500	0.0354		mg/Kg		71	50 - 150
2-Butanone (MEK)	0.0500	0.0410		mg/Kg		82	58 - 133
Carbon disulfide	0.0500	0.0404		mg/Kg		81	50 - 120
Carbon tetrachloride	0.0500	0.0484		mg/Kg		97	63 - 124
Chlorobenzene	0.0500	0.0476		mg/Kg		95	70 - 120
Chlorodibromomethane	0.0500	0.0429		mg/Kg		86	70 - 120
Chloroethane	0.0500	0.0417		mg/Kg		83	50 - 150
Chloroform	0.0500	0.0468		mg/Kg		94	70 - 120
Chloromethane	0.0500	0.0443		mg/Kg		89	50 - 130
cis-1,2-Dichloroethene	0.0500	0.0459		mg/Kg		92	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0427		mg/Kg		85	70 - 120
Dichlorobromomethane	0.0500	0.0456		mg/Kg		91	70 - 120
1,1-Dichloroethane	0.0500	0.0466		mg/Kg		93	67 - 120
1,2-Dichloroethane	0.0500	0.0503		mg/Kg		101	68 - 123
1,1-Dichloroethene	0.0500	0.0432		mg/Kg		86	53 - 122
1,2-Dichloropropane	0.0500	0.0456		mg/Kg		91	70 - 120
Ethylbenzene	0.0500	0.0459		mg/Kg		92	70 - 120
Ethylene Dibromide	0.0500	0.0455		mg/Kg		91	70 - 120
2-Hexanone	0.0500	0.0375		mg/Kg		75	64 - 130
Isopropylbenzene	0.0500	0.0470		mg/Kg		94	67 - 120
Methylene Chloride	0.0500	0.0447		mg/Kg		89	65 - 124
4-Methyl-2-pentanone (MIBK)	0.0500	0.0358		mg/Kg		72	68 - 126
Methyl tert-butyl ether	0.0500	0.0444		mg/Kg		89	62 - 123
m&p-Xylene	0.0500	0.0468		mg/Kg		94	70 - 120
o-Xylene	0.0500	0.0472		mg/Kg		94	70 - 120
Styrene	0.0500	0.0461		mg/Kg		92	75 - 120
Tetrachloroethene	0.0500	0.0485		mg/Kg		97	70 - 120
Toluene	0.0500	0.0455		mg/Kg		91	70 - 120

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-208236/26

Matrix: Solid

Analysis Batch: 208236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	0.0500	0.0452		mg/Kg		90	68 - 125
trans-1,3-Dichloropropene	0.0500	0.0426		mg/Kg		85	68 - 120
1,1,1-Trichloroethane	0.0500	0.0475		mg/Kg		95	66 - 127
1,1,2-Trichloroethane	0.0500	0.0455		mg/Kg		91	70 - 120
Trichloroethene	0.0500	0.0476		mg/Kg		95	70 - 120
Trichlorofluoromethane	0.0500	0.0382		mg/Kg		76	60 - 146
Vinyl acetate	0.0500	0.0415		mg/Kg		83	50 - 150
Vinyl chloride	0.0500	0.0430		mg/Kg		86	61 - 137
Xylenes, Total	0.100	0.0939		mg/Kg		94	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 122
Dibromofluoromethane	107		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		70 - 134
Toluene-d8 (Surr)	107		75 - 122

Lab Sample ID: MB 500-208704/7

Matrix: Water

Analysis Batch: 208704

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ug/L			10/25/13 14:12	1
Benzene	<0.50		0.50		ug/L			10/25/13 14:12	1
Bromoform	<1.0		1.0		ug/L			10/25/13 14:12	1
Bromomethane	<1.0		1.0		ug/L			10/25/13 14:12	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/25/13 14:12	1
Carbon disulfide	<5.0		5.0		ug/L			10/25/13 14:12	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/25/13 14:12	1
Chlorobenzene	<1.0		1.0		ug/L			10/25/13 14:12	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/25/13 14:12	1
Chloroethane	<1.0		1.0		ug/L			10/25/13 14:12	1
Chloroform	<1.0		1.0		ug/L			10/25/13 14:12	1
Chloromethane	<1.0		1.0		ug/L			10/25/13 14:12	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 14:12	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 14:12	1
Cyclohexane	<1.0		1.0		ug/L			10/25/13 14:12	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/25/13 14:12	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/25/13 14:12	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/25/13 14:12	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/25/13 14:12	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/25/13 14:12	1
Ethylbenzene	<0.50		0.50		ug/L			10/25/13 14:12	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/25/13 14:12	1
2-Hexanone	<5.0		5.0		ug/L			10/25/13 14:12	1
Isopropylbenzene	<1.0		1.0		ug/L			10/25/13 14:12	1
Methyl acetate	<2.0		2.0		ug/L			10/25/13 14:12	1
Methylcyclohexane	<1.0		1.0		ug/L			10/25/13 14:12	1
Methylene Chloride	<5.0		5.0		ug/L			10/25/13 14:12	1

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-208704/7

Matrix: Water

Analysis Batch: 208704

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/25/13 14:12	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/25/13 14:12	1
m&p-Xylene	<1.0		1.0		ug/L			10/25/13 14:12	1
o-Xylene	<0.50		0.50		ug/L			10/25/13 14:12	1
Styrene	<1.0		1.0		ug/L			10/25/13 14:12	1
Tetrachloroethene	<1.0		1.0		ug/L			10/25/13 14:12	1
Toluene	<0.50		0.50		ug/L			10/25/13 14:12	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/25/13 14:12	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/25/13 14:12	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/25/13 14:12	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/25/13 14:12	1
Trichloroethene	<0.50		0.50		ug/L			10/25/13 14:12	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/25/13 14:12	1
Vinyl acetate	<2.0		2.0		ug/L			10/25/13 14:12	1
Vinyl chloride	<0.50		0.50		ug/L			10/25/13 14:12	1
Xylenes, Total	<1.0		1.0		ug/L			10/25/13 14:12	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120		10/25/13 14:12	1
Dibromofluoromethane	93		75 - 120		10/25/13 14:12	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		10/25/13 14:12	1
Toluene-d8 (Surr)	90		75 - 120		10/25/13 14:12	1

Lab Sample ID: LCS 500-208704/5

Matrix: Water

Analysis Batch: 208704

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	43.8		ug/L		88	46 - 153
Benzene	50.0	44.1		ug/L		88	70 - 120
Bromoform	50.0	48.0		ug/L		96	70 - 125
Bromomethane	50.0	40.5		ug/L		81	50 - 150
2-Butanone (MEK)	50.0	43.3		ug/L		87	54 - 138
Carbon disulfide	50.0	44.7		ug/L		89	50 - 120
Carbon tetrachloride	50.0	40.4		ug/L		81	70 - 125
Chlorobenzene	50.0	45.6		ug/L		91	70 - 120
Chlorodibromomethane	50.0	43.7		ug/L		87	70 - 120
Chloroethane	50.0	37.3		ug/L		75	50 - 150
Chloroform	50.0	43.5		ug/L		87	70 - 120
Chloromethane	50.0	47.4		ug/L		95	50 - 134
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 120
cis-1,3-Dichloropropene	50.0	43.8		ug/L		88	70 - 120
Dichlorobromomethane	50.0	42.6		ug/L		85	70 - 120
1,1-Dichloroethane	50.0	45.4		ug/L		91	68 - 121
1,2-Dichloroethane	50.0	43.5		ug/L		87	69 - 120
1,1-Dichloroethene	50.0	45.0		ug/L		90	58 - 122
1,2-Dichloropropane	50.0	47.1		ug/L		94	70 - 120
Ethylbenzene	50.0	44.2		ug/L		88	75 - 120

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-208704/5

Matrix: Water

Analysis Batch: 208704

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	50.0	47.2		ug/L		94	70 - 120
2-Hexanone	50.0	53.9		ug/L		108	55 - 144
Isopropylbenzene	50.0	46.8		ug/L		94	70 - 120
Methylene Chloride	50.0	49.8		ug/L		100	65 - 125
4-Methyl-2-pentanone (MIBK)	50.0	50.0		ug/L		100	59 - 135
Methyl tert-butyl ether	50.0	45.8		ug/L		92	58 - 122
m&p-Xylene	50.0	43.4		ug/L		87	75 - 120
o-Xylene	50.0	45.8		ug/L		92	70 - 120
Styrene	50.0	48.3		ug/L		97	75 - 120
Tetrachloroethene	50.0	43.3		ug/L		87	70 - 123
Toluene	50.0	45.2		ug/L		90	70 - 120
trans-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 124
trans-1,3-Dichloropropene	50.0	44.4		ug/L		89	70 - 120
1,1,1-Trichloroethane	50.0	40.7		ug/L		81	70 - 123
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	69 - 120
Trichloroethene	50.0	43.1		ug/L		86	70 - 120
Trichlorofluoromethane	50.0	38.7		ug/L		77	63 - 134
Vinyl acetate	50.0	48.6		ug/L		97	50 - 150
Vinyl chloride	50.0	39.6		ug/L		79	62 - 138
Xylenes, Total	100	89.1		ug/L		89	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	88		75 - 125
Toluene-d8 (Surr)	92		75 - 120

Lab Sample ID: 500-65215-2 MS

Matrix: Water

Analysis Batch: 208704

Client Sample ID: SB-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<5.0		50.0	42.4		ug/L		85	46 - 153
Benzene	<0.50		50.0	48.1		ug/L		96	70 - 120
Bromoform	<1.0		50.0	51.8		ug/L		104	70 - 125
Bromomethane	<1.0		50.0	45.1		ug/L		90	50 - 150
2-Butanone (MEK)	<5.0		50.0	50.8		ug/L		102	54 - 138
Carbon disulfide	<5.0		50.0	47.7		ug/L		95	50 - 120
Carbon tetrachloride	<1.0		50.0	45.0		ug/L		90	70 - 125
Chlorobenzene	<1.0		50.0	50.0		ug/L		100	70 - 120
Chlorodibromomethane	<1.0		50.0	48.0		ug/L		96	70 - 120
Chloroethane	<1.0		50.0	39.5		ug/L		79	50 - 150
Chloroform	<1.0		50.0	47.9		ug/L		96	70 - 120
Chloromethane	<1.0		50.0	55.9		ug/L		112	50 - 134
cis-1,2-Dichloroethene	<1.0		50.0	50.8		ug/L		102	70 - 120
cis-1,3-Dichloropropene	<1.0		50.0	47.6		ug/L		95	70 - 120
Dichlorobromomethane	<1.0		50.0	46.1		ug/L		92	70 - 120
1,1-Dichloroethane	<1.0		50.0	49.8		ug/L		100	68 - 121

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: 500-65215-2 MS

Matrix: Water

Analysis Batch: 208704

Client Sample ID: SB-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2-Dichloroethane	<1.0		50.0	48.7		ug/L		97	69 - 120	
1,1-Dichloroethane	<1.0		50.0	49.7		ug/L		99	58 - 122	
1,2-Dichloropropane	<1.0		50.0	50.2		ug/L		100	70 - 120	
Ethylbenzene	<0.50		50.0	48.1		ug/L		96	75 - 120	
Ethylene Dibromide	<1.0		50.0	51.7		ug/L		103	70 - 120	
2-Hexanone	<5.0		50.0	59.0		ug/L		118	55 - 144	
Isopropylbenzene	<1.0		50.0	48.7		ug/L		97	70 - 120	
Methylene Chloride	<5.0		50.0	50.8		ug/L		102	65 - 125	
4-Methyl-2-pentanone (MIBK)	<5.0		50.0	58.0		ug/L		116	59 - 135	
Methyl tert-butyl ether	<1.0		50.0	49.5		ug/L		99	58 - 122	
m&p-Xylene	<1.0		50.0	48.0		ug/L		96	75 - 120	
o-Xylene	<0.50		50.0	50.8		ug/L		102	70 - 120	
Styrene	<1.0		50.0	52.3		ug/L		105	75 - 120	
Tetrachloroethene	<1.0		50.0	49.5		ug/L		99	70 - 123	
Toluene	0.50		50.0	50.9		ug/L		101	70 - 120	
trans-1,2-Dichloroethene	<1.0		50.0	50.6		ug/L		101	70 - 124	
trans-1,3-Dichloropropene	<1.0		50.0	47.8		ug/L		96	70 - 120	
1,1,1-Trichloroethane	<1.0		50.0	44.9		ug/L		90	70 - 123	
1,1,2-Trichloroethane	<1.0		50.0	53.4		ug/L		107	69 - 120	
Trichloroethene	<0.50		50.0	48.0		ug/L		96	70 - 120	
Trichlorofluoromethane	<1.0		50.0	45.4		ug/L		91	63 - 134	
Vinyl acetate	<2.0		50.0	46.8		ug/L		94	50 - 150	
Vinyl chloride	<0.50		50.0	49.1		ug/L		98	62 - 138	
Xylenes, Total	<1.0		100	98.7		ug/L		99	70 - 120	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 125
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: 500-65215-2 MSD

Matrix: Water

Analysis Batch: 208704

Client Sample ID: SB-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acetone	<5.0		50.0	43.7		ug/L		87	46 - 153	3	20	
Benzene	<0.50		50.0	47.1		ug/L		94	70 - 120	2	20	
Bromoform	<1.0		50.0	49.5		ug/L		99	70 - 125	4	20	
Bromomethane	<1.0		50.0	40.3		ug/L		81	50 - 150	11	20	
2-Butanone (MEK)	<5.0		50.0	51.1		ug/L		102	54 - 138	1	20	
Carbon disulfide	<5.0		50.0	43.6		ug/L		87	50 - 120	9	20	
Carbon tetrachloride	<1.0		50.0	42.0		ug/L		84	70 - 125	7	20	
Chlorobenzene	<1.0		50.0	48.0		ug/L		96	70 - 120	4	20	
Chlorodibromomethane	<1.0		50.0	45.2		ug/L		90	70 - 120	6	20	
Chloroethane	<1.0		50.0	35.6		ug/L		71	50 - 150	10	20	
Chloroform	<1.0		50.0	45.7		ug/L		91	70 - 120	5	20	
Chloromethane	<1.0		50.0	49.4		ug/L		99	50 - 134	12	20	

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: 500-65215-2 MSD

Matrix: Water

Analysis Batch: 208704

Client Sample ID: SB-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
cis-1,2-Dichloroethene	<1.0		50.0	48.2		ug/L		96	70 - 120	5	20
cis-1,3-Dichloropropene	<1.0		50.0	47.0		ug/L		94	70 - 120	1	20
Dichlorobromomethane	<1.0		50.0	44.9		ug/L		90	70 - 120	3	20
1,1-Dichloroethane	<1.0		50.0	46.4		ug/L		93	68 - 121	7	20
1,2-Dichloroethane	<1.0		50.0	47.0		ug/L		94	69 - 120	4	20
1,1-Dichloroethene	<1.0		50.0	44.5		ug/L		89	58 - 122	11	20
1,2-Dichloropropene	<1.0		50.0	47.3		ug/L		95	70 - 120	6	20
Ethylbenzene	<0.50		50.0	46.9		ug/L		94	75 - 120	3	20
Ethylene Dibromide	<1.0		50.0	52.3		ug/L		105	70 - 120	1	20
2-Hexanone	<5.0		50.0	55.6		ug/L		111	55 - 144	6	20
Isopropylbenzene	<1.0		50.0	47.9		ug/L		96	70 - 120	2	20
Methylene Chloride	<5.0		50.0	46.4		ug/L		93	65 - 125	9	20
4-Methyl-2-pentanone (MIBK)	<5.0		50.0	53.1		ug/L		106	59 - 135	9	20
Methyl tert-butyl ether	<1.0		50.0	47.2		ug/L		94	58 - 122	5	20
m&p-Xylene	<1.0		50.0	46.1		ug/L		92	75 - 120	4	20
o-Xylene	<0.50		50.0	48.9		ug/L		98	70 - 120	4	20
Styrene	<1.0		50.0	50.7		ug/L		101	75 - 120	3	20
Tetrachloroethene	<1.0		50.0	47.1		ug/L		94	70 - 123	5	20
Toluene	0.50		50.0	49.1		ug/L		97	70 - 120	4	20
trans-1,2-Dichloroethene	<1.0		50.0	46.0		ug/L		92	70 - 124	10	20
trans-1,3-Dichloropropene	<1.0		50.0	48.9		ug/L		98	70 - 120	2	20
1,1,1-Trichloroethane	<1.0		50.0	42.3		ug/L		85	70 - 123	6	20
1,1,2-Trichloroethane	<1.0		50.0	52.5		ug/L		105	69 - 120	2	20
Trichloroethene	<0.50		50.0	45.8		ug/L		92	70 - 120	5	20
Trichlorofluoromethane	<1.0		50.0	40.5		ug/L		81	63 - 134	11	20
Vinyl acetate	<2.0		50.0	57.7	F	ug/L		115	50 - 150	21	20
Vinyl chloride	<0.50		50.0	42.0		ug/L		84	62 - 138	16	20
Xylenes, Total	<1.0		100	95.0		ug/L		95	70 - 120	4	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	93		75 - 125
Toluene-d8 (Surr)	95		75 - 120

Lab Sample ID: MB 500-208941/5

Matrix: Solid

Analysis Batch: 208941

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		mg/Kg			10/28/13 09:33	1
Benzene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Bromoform	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Bromomethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
2-Butanone (MEK)	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Carbon disulfide	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Carbon tetrachloride	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Chlorobenzene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-208941/5
 Matrix: Solid
 Analysis Batch: 208941

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorodibromomethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Chloroethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Chloroform	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Chloromethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
cis-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
cis-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Cyclohexane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Dichlorobromomethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,1-Dichloroethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,2-Dichloroethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,1-Dichloroethene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,2-Dichloropropane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Ethylbenzene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Ethylene Dibromide	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
2-Hexanone	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Isopropylbenzene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Methyl acetate	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Methylcyclohexane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Methylene Chloride	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Methyl tert-butyl ether	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
m&p-Xylene	<0.010		0.010		mg/Kg			10/28/13 09:33	1
o-Xylene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Styrene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Tetrachloroethene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Toluene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
trans-1,2-Dichloroethene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
trans-1,3-Dichloropropene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,1,1-Trichloroethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
1,1,2-Trichloroethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Trichloroethene	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Trichlorofluoromethane	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Vinyl acetate	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Vinyl chloride	<0.0050		0.0050		mg/Kg			10/28/13 09:33	1
Xylenes, Total	<0.010		0.010		mg/Kg			10/28/13 09:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	114		70 - 122		10/28/13 09:33	1
Dibromofluoromethane	111		75 - 120		10/28/13 09:33	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134		10/28/13 09:33	1
Toluene-d8 (Surr)	106		75 - 122		10/28/13 09:33	1

Lab Sample ID: LCS 500-208941/6
 Matrix: Solid
 Analysis Batch: 208941

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-208941/6

Matrix: Solid

Analysis Batch: 208941

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	0.0464		mg/Kg		93	70 - 120
Bromoform	0.0500	0.0477		mg/Kg		95	63 - 124
Bromomethane	0.0500	0.0373		mg/Kg		75	50 - 150
2-Butanone (MEK)	0.0500	0.0410		mg/Kg		82	58 - 133
Carbon disulfide	0.0500	0.0421		mg/Kg		84	50 - 120
Carbon tetrachloride	0.0500	0.0511		mg/Kg		102	63 - 124
Chlorobenzene	0.0500	0.0510		mg/Kg		102	70 - 120
Chlorodibromomethane	0.0500	0.0475		mg/Kg		95	70 - 120
Chloroethane	0.0500	0.0433		mg/Kg		87	50 - 150
Chloroform	0.0500	0.0485		mg/Kg		97	70 - 120
Chloromethane	0.0500	0.0435		mg/Kg		87	50 - 130
cis-1,2-Dichloroethene	0.0500	0.0470		mg/Kg		94	70 - 120
cis-1,3-Dichloropropene	0.0500	0.0457		mg/Kg		91	70 - 120
Dichlorobromomethane	0.0500	0.0483		mg/Kg		97	70 - 120
1,1-Dichloroethane	0.0500	0.0480		mg/Kg		96	67 - 120
1,2-Dichloroethane	0.0500	0.0539		mg/Kg		108	68 - 123
1,1-Dichloroethene	0.0500	0.0452		mg/Kg		90	53 - 122
1,2-Dichloropropane	0.0500	0.0479		mg/Kg		96	70 - 120
Ethylbenzene	0.0500	0.0490		mg/Kg		98	70 - 120
Ethylene Dibromide	0.0500	0.0489		mg/Kg		98	70 - 120
2-Hexanone	0.0500	0.0413		mg/Kg		83	64 - 130
Isopropylbenzene	0.0500	0.0495		mg/Kg		99	67 - 120
Methylene Chloride	0.0500	0.0459		mg/Kg		92	65 - 124
4-Methyl-2-pentanone (MIBK)	0.0500	0.0386		mg/Kg		77	68 - 126
Methyl tert-butyl ether	0.0500	0.0460		mg/Kg		92	62 - 123
m&p-Xylene	0.0500	0.0508		mg/Kg		102	70 - 120
o-Xylene	0.0500	0.0507		mg/Kg		101	70 - 120
Styrene	0.0500	0.0496		mg/Kg		99	75 - 120
Tetrachloroethene	0.0500	0.0520		mg/Kg		104	70 - 120
Toluene	0.0500	0.0494		mg/Kg		99	70 - 120
trans-1,2-Dichloroethene	0.0500	0.0469		mg/Kg		94	68 - 125
trans-1,3-Dichloropropene	0.0500	0.0452		mg/Kg		90	68 - 120
1,1,1-Trichloroethane	0.0500	0.0485		mg/Kg		97	66 - 127
1,1,2-Trichloroethane	0.0500	0.0499		mg/Kg		100	70 - 120
Trichloroethene	0.0500	0.0508		mg/Kg		102	70 - 120
Trichlorofluoromethane	0.0500	0.0406		mg/Kg		81	60 - 146
Vinyl acetate	0.0500	0.0435		mg/Kg		87	50 - 150
Vinyl chloride	0.0500	0.0436		mg/Kg		87	61 - 137
Xylenes, Total	0.100	0.101		mg/Kg		101	70 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 122
Dibromofluoromethane	106		75 - 120
1,2-Dichloroethane-d4 (Surr)	110		70 - 134
Toluene-d8 (Surr)	111		75 - 122

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCSD 500-208941/7
Matrix: Solid
Analysis Batch: 208941

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	0.0453		mg/Kg		91	50 - 138	2	30
Benzene	0.0500	0.0485		mg/Kg		97	70 - 120	4	30
Bromoform	0.0500	0.0478		mg/Kg		96	63 - 124	0	30
Bromomethane	0.0500	0.0380		mg/Kg		76	50 - 150	2	30
2-Butanone (MEK)	0.0500	0.0378		mg/Kg		76	58 - 133	8	30
Carbon disulfide	0.0500	0.0443		mg/Kg		89	50 - 120	5	30
Carbon tetrachloride	0.0500	0.0541		mg/Kg		108	63 - 124	6	30
Chlorobenzene	0.0500	0.0519		mg/Kg		104	70 - 120	2	30
Chlorodibromomethane	0.0500	0.0488		mg/Kg		98	70 - 120	3	30
Chloroethane	0.0500	0.0453		mg/Kg		91	50 - 150	5	30
Chloroform	0.0500	0.0510		mg/Kg		102	70 - 120	5	30
Chloromethane	0.0500	0.0467		mg/Kg		93	50 - 130	7	30
cis-1,2-Dichloroethene	0.0500	0.0498		mg/Kg		100	70 - 120	6	30
cis-1,3-Dichloropropene	0.0500	0.0461		mg/Kg		92	70 - 120	1	30
Dichlorobromomethane	0.0500	0.0496		mg/Kg		99	70 - 120	3	30
1,1-Dichloroethane	0.0500	0.0494		mg/Kg		99	67 - 120	3	30
1,2-Dichloroethane	0.0500	0.0533		mg/Kg		107	68 - 123	1	30
1,1-Dichloroethene	0.0500	0.0485		mg/Kg		97	53 - 122	7	30
1,2-Dichloropropane	0.0500	0.0501		mg/Kg		100	70 - 120	5	30
Ethylbenzene	0.0500	0.0503		mg/Kg		101	70 - 120	3	30
Ethylene Dibromide	0.0500	0.0483		mg/Kg		97	70 - 120	1	30
2-Hexanone	0.0500	0.0401		mg/Kg		80	64 - 130	3	30
Isopropylbenzene	0.0500	0.0513		mg/Kg		103	67 - 120	3	30
Methylene Chloride	0.0500	0.0461		mg/Kg		92	65 - 124	0	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0375		mg/Kg		75	68 - 126	3	30
Methyl tert-butyl ether	0.0500	0.0468		mg/Kg		94	62 - 123	2	30
m&p-Xylene	0.0500	0.0520		mg/Kg		104	70 - 120	2	30
o-Xylene	0.0500	0.0521		mg/Kg		104	70 - 120	3	30
Styrene	0.0500	0.0512		mg/Kg		102	75 - 120	3	30
Tetrachloroethene	0.0500	0.0535		mg/Kg		107	70 - 120	3	30
Toluene	0.0500	0.0505		mg/Kg		101	70 - 120	2	30
trans-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	68 - 125	6	30
trans-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	68 - 120	1	30
1,1,1-Trichloroethane	0.0500	0.0515		mg/Kg		103	66 - 127	6	30
1,1,2-Trichloroethane	0.0500	0.0479		mg/Kg		96	70 - 120	4	30
Trichloroethene	0.0500	0.0526		mg/Kg		105	70 - 120	3	30
Trichlorofluoromethane	0.0500	0.0393		mg/Kg		79	60 - 146	3	30
Vinyl acetate	0.0500	0.0439		mg/Kg		88	50 - 150	1	30
Vinyl chloride	0.0500	0.0462		mg/Kg		92	61 - 137	6	30
Xylenes, Total	0.100	0.104		mg/Kg		104	70 - 120	3	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 122
Dibromofluoromethane	106		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		70 - 134
Toluene-d8 (Surr)	110		75 - 122

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-208984/6
 Matrix: Water
 Analysis Batch: 208984

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<5.0		5.0		ug/L			10/28/13 15:16	1
Benzene	<0.50		0.50		ug/L			10/28/13 15:16	1
Bromoform	<1.0		1.0		ug/L			10/28/13 15:16	1
Bromomethane	<1.0		1.0		ug/L			10/28/13 15:16	1
2-Butanone (MEK)	<5.0		5.0		ug/L			10/28/13 15:16	1
Carbon disulfide	<5.0		5.0		ug/L			10/28/13 15:16	1
Carbon tetrachloride	<1.0		1.0		ug/L			10/28/13 15:16	1
Chlorobenzene	<1.0		1.0		ug/L			10/28/13 15:16	1
Chlorodibromomethane	<1.0		1.0		ug/L			10/28/13 15:16	1
Chloroethane	<1.0		1.0		ug/L			10/28/13 15:16	1
Chloroform	<1.0		1.0		ug/L			10/28/13 15:16	1
Chloromethane	<1.0		1.0		ug/L			10/28/13 15:16	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			10/28/13 15:16	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			10/28/13 15:16	1
Cyclohexane	<1.0		1.0		ug/L			10/28/13 15:16	1
Dichlorobromomethane	<1.0		1.0		ug/L			10/28/13 15:16	1
1,1-Dichloroethane	<1.0		1.0		ug/L			10/28/13 15:16	1
1,2-Dichloroethane	<1.0		1.0		ug/L			10/28/13 15:16	1
1,1-Dichloroethene	<1.0		1.0		ug/L			10/28/13 15:16	1
1,2-Dichloropropane	<1.0		1.0		ug/L			10/28/13 15:16	1
Ethylbenzene	<0.50		0.50		ug/L			10/28/13 15:16	1
Ethylene Dibromide	<1.0		1.0		ug/L			10/28/13 15:16	1
2-Hexanone	<5.0		5.0		ug/L			10/28/13 15:16	1
Isopropylbenzene	<1.0		1.0		ug/L			10/28/13 15:16	1
Methyl acetate	<2.0		2.0		ug/L			10/28/13 15:16	1
Methylcyclohexane	<1.0		1.0		ug/L			10/28/13 15:16	1
Methylene Chloride	<5.0		5.0		ug/L			10/28/13 15:16	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			10/28/13 15:16	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			10/28/13 15:16	1
m&p-Xylene	<1.0		1.0		ug/L			10/28/13 15:16	1
o-Xylene	<0.50		0.50		ug/L			10/28/13 15:16	1
Styrene	<1.0		1.0		ug/L			10/28/13 15:16	1
Tetrachloroethene	<1.0		1.0		ug/L			10/28/13 15:16	1
Toluene	<0.50		0.50		ug/L			10/28/13 15:16	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			10/28/13 15:16	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			10/28/13 15:16	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			10/28/13 15:16	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			10/28/13 15:16	1
Trichloroethene	<0.50		0.50		ug/L			10/28/13 15:16	1
Trichlorofluoromethane	<1.0		1.0		ug/L			10/28/13 15:16	1
Vinyl acetate	<2.0		2.0		ug/L			10/28/13 15:16	1
Vinyl chloride	<0.50		0.50		ug/L			10/28/13 15:16	1
Xylenes, Total	<1.0		1.0		ug/L			10/28/13 15:16	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	87		75 - 120		10/28/13 15:16	1
Dibromofluoromethane	100		75 - 120		10/28/13 15:16	1

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-208984/6
Matrix: Water
Analysis Batch: 208984

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

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		10/28/13 15:16	1
Toluene-d8 (Surr)	90		75 - 120		10/28/13 15:16	1

Lab Sample ID: LCS 500-208984/4
Matrix: Water
Analysis Batch: 208984

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acetone	50.0	43.2		ug/L		86	46 - 153
Benzene	50.0	43.4		ug/L		87	70 - 120
Bromoform	50.0	46.6		ug/L		93	70 - 125
Bromomethane	50.0	38.5		ug/L		77	50 - 150
2-Butanone (MEK)	50.0	43.7		ug/L		87	54 - 138
Carbon disulfide	50.0	39.3		ug/L		79	50 - 120
Carbon tetrachloride	50.0	39.0		ug/L		78	70 - 125
Chlorobenzene	50.0	44.7		ug/L		89	70 - 120
Chlorodibromomethane	50.0	43.5		ug/L		87	70 - 120
Chloroethane	50.0	34.8		ug/L		70	50 - 150
Chloroform	50.0	41.0		ug/L		82	70 - 120
Chloromethane	50.0	44.1		ug/L		88	50 - 134
cis-1,2-Dichloroethene	50.0	42.5		ug/L		85	70 - 120
cis-1,3-Dichloropropene	50.0	44.6		ug/L		89	70 - 120
Dichlorobromomethane	50.0	43.3		ug/L		87	70 - 120
1,1-Dichloroethane	50.0	42.1		ug/L		84	68 - 121
1,2-Dichloroethane	50.0	44.2		ug/L		88	69 - 120
1,1-Dichloroethene	50.0	39.1		ug/L		78	58 - 122
1,2-Dichloropropane	50.0	46.3		ug/L		93	70 - 120
Ethylbenzene	50.0	43.4		ug/L		87	75 - 120
Ethylene Dibromide	50.0	48.6		ug/L		97	70 - 120
2-Hexanone	50.0	55.1		ug/L		110	55 - 144
Isopropylbenzene	50.0	46.3		ug/L		93	70 - 120
Methylene Chloride	50.0	42.1		ug/L		84	65 - 125
4-Methyl-2-pentanone (MIBK)	50.0	51.4		ug/L		103	59 - 135
Methyl tert-butyl ether	50.0	43.8		ug/L		88	58 - 122
m&p-Xylene	50.0	42.6		ug/L		85	75 - 120
o-Xylene	50.0	43.6		ug/L		87	70 - 120
Styrene	50.0	47.0		ug/L		94	75 - 120
Tetrachloroethene	50.0	43.0		ug/L		86	70 - 123
Toluene	50.0	44.4		ug/L		89	70 - 120
trans-1,2-Dichloroethene	50.0	42.3		ug/L		85	70 - 124
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	70 - 120
1,1,1-Trichloroethane	50.0	38.8		ug/L		78	70 - 123
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	69 - 120
Trichloroethene	50.0	43.5		ug/L		87	70 - 120
Trichlorofluoromethane	50.0	38.2		ug/L		76	63 - 134
Vinyl acetate	50.0	57.0		ug/L		114	50 - 150
Vinyl chloride	50.0	38.3		ug/L		77	62 - 138
Xylenes, Total	100	86.1		ug/L		86	70 - 120

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-208984/4
 Matrix: Water
 Analysis Batch: 208984

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 125
Toluene-d8 (Surr)	95		75 - 120

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

Lab Sample ID: MB 500-207875/1-A
 Matrix: Solid
 Analysis Batch: 208084

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 207875

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Acenaphthylene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Anthracene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Benzo[a]anthracene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Benzo[a]pyrene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Benzo[b]fluoranthene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Benzo[g,h,i]perylene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Benzo[k]fluoranthene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Chrysene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Dibenz(a,h)anthracene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Fluoranthene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Fluorene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Naphthalene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Phenanthrene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
Pyrene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
1-Methylnaphthalene	<0.033		0.033		mg/Kg		10/21/13 07:18	10/22/13 11:35	1
2-Methylnaphthalene	<0.17		0.17		mg/Kg		10/21/13 07:18	10/22/13 11:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	91		25 - 115	10/21/13 07:18	10/22/13 11:35	1
Terphenyl-d14 (Surr)	91		36 - 134	10/21/13 07:18	10/22/13 11:35	1
2-Fluorobiphenyl	96		25 - 119	10/21/13 07:18	10/22/13 11:35	1

Lab Sample ID: LCS 500-207875/2-A
 Matrix: Solid
 Analysis Batch: 208084

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 207875

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	1.33	1.19		mg/Kg		89	53 - 110
Acenaphthylene	1.33	1.34		mg/Kg		100	51 - 110
Anthracene	1.33	1.35		mg/Kg		101	52 - 110
Benzo[a]anthracene	1.33	1.22		mg/Kg		92	57 - 110
Benzo[a]pyrene	1.33	1.19		mg/Kg		89	56 - 110
Benzo[b]fluoranthene	1.33	1.18		mg/Kg		88	50 - 110

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: LCS 500-207875/2-A

Matrix: Solid

Analysis Batch: 208084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 207875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Benzo[g,h,i]perylene	1.33	1.14		mg/Kg		86	54 - 117	
Benzo[k]fluoranthene	1.33	1.30		mg/Kg		97	43 - 121	
Chrysene	1.33	1.15		mg/Kg		86	54 - 110	
Dibenz(a,h)anthracene	1.33	1.18		mg/Kg		89	52 - 118	
Fluoranthene	1.33	1.42		mg/Kg		106	55 - 113	
Fluorene	1.33	1.40		mg/Kg		105	52 - 112	
Indeno[1,2,3-cd]pyrene	1.33	1.17		mg/Kg		87	53 - 116	
Naphthalene	1.33	1.09		mg/Kg		81	48 - 110	
Phenanthrene	1.33	1.33		mg/Kg		99	51 - 116	
Pyrene	1.33	1.28		mg/Kg		96	50 - 112	
2-Methylnaphthalene	1.33	1.18		mg/Kg		88	51 - 110	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	88		25 - 115
Terphenyl-d14 (Surr)	102		36 - 134
2-Fluorobiphenyl	97		25 - 119

Lab Sample ID: 500-65215-1 MS

Matrix: Solid

Analysis Batch: 208305

Client Sample ID: SB-1 @ 12-13'

Prep Type: Total/NA

Prep Batch: 207875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Acenaphthene	<0.033		1.41	1.20		mg/Kg	*	85	53 - 110	
Acenaphthylene	<0.033		1.41	1.20		mg/Kg	*	85	51 - 110	
Anthracene	<0.033		1.41	1.25		mg/Kg	*	89	52 - 110	
Benzo[a]anthracene	<0.033		1.41	1.20		mg/Kg	*	85	57 - 110	
Benzo[a]pyrene	<0.033		1.41	1.24		mg/Kg	*	88	56 - 110	
Benzo[b]fluoranthene	<0.033		1.41	1.35		mg/Kg	*	96	50 - 110	
Benzo[g,h,i]perylene	<0.033		1.41	1.14		mg/Kg	*	81	54 - 117	
Benzo[k]fluoranthene	<0.033		1.41	1.16		mg/Kg	*	82	43 - 121	
Chrysene	<0.033		1.41	1.20		mg/Kg	*	85	54 - 110	
Dibenz(a,h)anthracene	<0.033		1.41	1.24		mg/Kg	*	88	52 - 118	
Fluoranthene	<0.033		1.41	1.30		mg/Kg	*	92	55 - 113	
Fluorene	<0.033		1.41	1.24		mg/Kg	*	88	52 - 112	
Indeno[1,2,3-cd]pyrene	<0.033		1.41	1.22		mg/Kg	*	86	53 - 116	
Naphthalene	<0.033		1.41	1.13		mg/Kg	*	80	48 - 110	
Phenanthrene	<0.033		1.41	1.22		mg/Kg	*	87	51 - 116	
Pyrene	<0.033		1.41	1.25		mg/Kg	*	89	50 - 112	
2-Methylnaphthalene	<0.17		1.41	1.16		mg/Kg	*	82	51 - 110	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	75		25 - 115
Terphenyl-d14 (Surr)	89		36 - 134
2-Fluorobiphenyl	85		25 - 119

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: MB 500-207879/1-A
Matrix: Water
Analysis Batch: 208489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207879

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	74		47 - 134	10/21/13 07:32	10/24/13 10:37	1
Terphenyl-d14 (Surr)	100		59 - 150	10/21/13 07:32	10/24/13 10:37	1
2-Fluorobiphenyl	59		41 - 132	10/21/13 07:32	10/24/13 10:37	1

Lab Sample ID: LCS 500-207879/2-A
Matrix: Water
Analysis Batch: 208489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthylene	32.0	22.8		ug/L		71	48 - 114	
Anthracene	32.0	24.9		ug/L		78	58 - 127	
Benzo[a]anthracene	32.0	27.6		ug/L		86	64 - 119	
Benzo[a]pyrene	32.0	26.8		ug/L		84	70 - 119	
Benzo[b]fluoranthene	32.0	26.0		ug/L		81	68 - 130	
Benzo[g,h,i]perylene	32.0	27.8		ug/L		87	48 - 140	
Benzo[k]fluoranthene	32.0	27.1		ug/L		85	60 - 133	
Chrysene	32.0	29.3		ug/L		92	57 - 122	
Dibenz(a,h)anthracene	32.0	27.8		ug/L		87	59 - 132	
Fluoranthene	32.0	27.0		ug/L		84	57 - 135	
Fluorene	32.0	24.3		ug/L		76	50 - 121	
Indeno[1,2,3-cd]pyrene	32.0	27.9		ug/L		87	58 - 138	
Naphthalene	32.0	17.4		ug/L		54	38 - 110	
Phenanthrene	32.0	24.6		ug/L		77	56 - 131	
Pyrene	32.0	26.4		ug/L		82	67 - 116	
2-Methylnaphthalene	32.0	17.3		ug/L		54	42 - 110	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	76		47 - 134
Terphenyl-d14 (Surr)	93		59 - 150
2-Fluorobiphenyl	61		41 - 132

Lab Sample ID: 500-65215-2 MS
Matrix: Water
Analysis Batch: 208489

Client Sample ID: SB-1
Prep Type: Total/NA
Prep Batch: 207879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthylene	<0.76		33.5	20.1		ug/L		60	48 - 114	
Anthracene	<0.76		33.5	24.5		ug/L		73	58 - 127	
Benzo[a]anthracene	<0.15		33.5	30.3		ug/L		91	64 - 119	
Benzo[a]pyrene	<0.15		33.5	28.0		ug/L		84	70 - 119	
Benzo[b]fluoranthene	<0.15		33.5	28.8		ug/L		86	68 - 130	
Benzo[g,h,i]perylene	<0.76		33.5	24.0		ug/L		72	48 - 140	
Benzo[k]fluoranthene	<0.15		33.5	25.6		ug/L		77	60 - 133	
Chrysene	<0.38		33.5	31.5		ug/L		94	57 - 122	
Dibenz(a,h)anthracene	<0.23		33.5	26.2		ug/L		78	59 - 132	
Fluoranthene	<0.76		33.5	30.5		ug/L		91	57 - 135	

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

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

Lab Sample ID: 500-65215-2 MS										Client Sample ID: SB-1		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 208489										Prep Batch: 207879		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits			
Fluorene	<0.76		33.5	22.2		ug/L		66	50 - 121			
Indeno[1,2,3-cd]pyrene	<0.15		33.5	25.4		ug/L		76	58 - 138			
Naphthalene	<0.76		33.5	15.9		ug/L		47	38 - 110			
Phenanthrene	<0.76		33.5	25.3		ug/L		76	56 - 131			
Pyrene	<0.76		33.5	28.3		ug/L		85	67 - 116			
2-Methylnaphthalene	<0.38		33.5	16.3		ug/L		49	42 - 110			
MS MS												
Surrogate	%Recovery		Qualifier	Limits								
Nitrobenzene-d5 (Surr)	61			47 - 134								
Terphenyl-d14 (Surr)	67			59 - 150								
2-Fluorobiphenyl	52			41 - 132								

Lab Sample ID: 500-65215-2 MSD										Client Sample ID: SB-1		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 208489										Prep Batch: 207879		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
Acenaphthene	<0.76		31.8	18.4		ug/L		58	44 - 110		6	20
Acenaphthylene	<0.76		31.8	19.1		ug/L		60	48 - 114		5	20
Anthracene	<0.76		31.8	24.3		ug/L		77	58 - 127		1	20
Benzo[a]anthracene	<0.15		31.8	28.2		ug/L		89	64 - 119		7	20
Benzo[a]pyrene	<0.15		31.8	27.1		ug/L		85	70 - 119		3	20
Benzo[b]fluoranthene	<0.15		31.8	27.8		ug/L		88	68 - 130		3	20
Benzo[g,h,i]perylene	<0.76		31.8	22.7		ug/L		71	48 - 140		6	20
Benzo[k]fluoranthene	<0.15		31.8	23.9		ug/L		75	60 - 133		7	20
Chrysene	<0.38		31.8	29.4		ug/L		93	57 - 122		7	20
Dibenz(a,h)anthracene	<0.23		31.8	24.6		ug/L		78	59 - 132		6	20
Fluoranthene	<0.76		31.8	28.9		ug/L		91	57 - 135		5	20
Fluorene	<0.76		31.8	21.2		ug/L		67	50 - 121		5	20
Indeno[1,2,3-cd]pyrene	<0.15		31.8	24.0		ug/L		76	58 - 138		6	20
Naphthalene	<0.76		31.8	15.8		ug/L		50	38 - 110		1	20
Phenanthrene	<0.76		31.8	24.4		ug/L		77	56 - 131		4	20
Pyrene	<0.76		31.8	26.9		ug/L		85	67 - 116		5	20
2-Methylnaphthalene	<0.38		31.8	15.9		ug/L		50	42 - 110		2	20
MSD MSD												
Surrogate	%Recovery		Qualifier	Limits								
Nitrobenzene-d5 (Surr)	64			47 - 134								
Terphenyl-d14 (Surr)	81			59 - 150								
2-Fluorobiphenyl	54			41 - 132								

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-207764/1-A
Matrix: Solid
Analysis Batch: 208475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207764

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	<0.50		0.50		mg/Kg		10/18/13 16:30	10/24/13 00:27	1

Lab Sample ID: LCS 500-207764/2-A
Matrix: Solid
Analysis Batch: 208475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limits	
Lead	10.0	9.67		mg/Kg		97	80 - 120	

Lab Sample ID: 500-65215-1 MS
Matrix: Solid
Analysis Batch: 208475

Client Sample ID: SB-1 @ 12-13'
Prep Type: Total/NA
Prep Batch: 207764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									Limits	
Lead	4.3		9.50	13.6		mg/Kg	✱	99	75 - 125	

Lab Sample ID: 500-65215-1 MSD
Matrix: Solid
Analysis Batch: 208475

Client Sample ID: SB-1 @ 12-13'
Prep Type: Total/NA
Prep Batch: 207764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. RPD Limit		
									Limits	RPD	Limit
Lead	4.3		9.66	13.5		mg/Kg	✱	96	75 - 125	1	20

Lab Sample ID: 500-65215-1 DU
Matrix: Solid
Analysis Batch: 208475

Client Sample ID: SB-1 @ 12-13'
Prep Type: Total/NA
Prep Batch: 207764

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	%Rec. RPD Limit	
								Limits	Limit
Lead	4.3		4.13		mg/Kg	✱	3		20

Lab Sample ID: MB 500-207908/1-A
Matrix: Water
Analysis Batch: 208475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207908

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	<0.0050		0.0050		mg/L		10/21/13 07:45	10/23/13 23:28	1

Lab Sample ID: LCS 500-207908/2-A
Matrix: Water
Analysis Batch: 208475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limits	
Lead	0.100	0.0978		mg/L		98	80 - 120	

Lab Sample ID: 500-65215-2 MS
Matrix: Water
Analysis Batch: 208475

Client Sample ID: SB-1
Prep Type: Total/NA
Prep Batch: 207908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									Limits	
Lead	<0.0050		0.100	0.110		mg/L		105	75 - 125	

TestAmerica Chicago

QC Sample Results

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Lab Sample ID: 500-65215-2 MSD
Matrix: Water
Analysis Batch: 208475

Client Sample ID: SB-1
Prep Type: Total/NA
Prep Batch: 207908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	<0.0050		0.100	0.107		mg/L		102	75 - 125	3	20

Lab Sample ID: 500-65215-2 DU
Matrix: Water
Analysis Batch: 208475

Client Sample ID: SB-1
Prep Type: Total/NA
Prep Batch: 207908

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.0050		0.00769		mg/L		NC	20



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-1 @ 12-13'

Lab Sample ID: 500-65215-1

Date Collected: 10/17/13 09:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 09:45	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208941	10/28/13 17:00	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 15:31	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:35	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-1

Lab Sample ID: 500-65215-2

Date Collected: 10/18/13 09:50

Matrix: Water

Date Received: 10/18/13 14:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208704	10/25/13 17:10	EMA	TAL CHI
Total/NA	Prep	3510C			207879	10/21/13 07:32	AAS	TAL CHI
Total/NA	Analysis	8270D		1	208489	10/24/13 13:49	WDS	TAL CHI
Total/NA	Prep	3010A			207908	10/21/13 07:45	MJP	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/23/13 23:37	PJ1	TAL CHI

Client Sample ID: SB-2 @ 12.5-13.5

Lab Sample ID: 500-65215-3

Date Collected: 10/17/13 10:10

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 10:10	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208941	10/28/13 18:11	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 15:50	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:55	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-2 @ 20-21

Lab Sample ID: 500-65215-4

Date Collected: 10/17/13 12:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 12:45	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208941	10/28/13 18:34	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 16:10	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:07	PJ1	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-2 @ 20-21

Lab Sample ID: 500-65215-4

Date Collected: 10/17/13 12:45

Matrix: Solid

Date Received: 10/18/13 14:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-2

Lab Sample ID: 500-65215-5

Date Collected: 10/18/13 10:20

Matrix: Water

Date Received: 10/18/13 14:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208704	10/25/13 17:36	EMA	TAL CHI
Total/NA	Prep	3510C			207879	10/21/13 07:32	AAS	TAL CHI
Total/NA	Analysis	8270D		1	208489	10/24/13 14:12	WDS	TAL CHI
Total/NA	Prep	3010A			207908	10/21/13 07:45	MJP	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:01	PJ1	TAL CHI

Client Sample ID: SB-3 @ 12-13

Lab Sample ID: 500-65215-6

Date Collected: 10/17/13 10:45

Matrix: Solid

Date Received: 10/18/13 14:32

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 10:45	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208941	10/28/13 18:58	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 16:29	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:11	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-3

Lab Sample ID: 500-65215-7

Date Collected: 10/17/13 11:00

Matrix: Water

Date Received: 10/18/13 14:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208704	10/25/13 18:01	EMA	TAL CHI
Total/NA	Prep	3510C			207879	10/21/13 07:32	AAS	TAL CHI
Total/NA	Analysis	8270D		1	208489	10/24/13 14:36	WDS	TAL CHI
Total/NA	Prep	3010A			207908	10/21/13 07:45	MJP	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:05	PJ1	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-4 @ 11-12

Date Collected: 10/17/13 11:30

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-8

Matrix: Solid

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208941	10/28/13 19:22	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 16:48	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:15	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-5 @ 12-13

Date Collected: 10/17/13 12:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-9

Matrix: Solid

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 12:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208236	10/23/13 18:05	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 17:08	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:19	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-5 @ 18-19

Date Collected: 10/17/13 12:30

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-10

Matrix: Solid

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208236	10/23/13 18:28	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 17:27	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:23	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-6 @ 12-13

Date Collected: 10/17/13 13:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-11

Matrix: Solid

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	207912	10/21/13 14:18	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 17:46	GES	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: SB-6 @ 12-13

Date Collected: 10/17/13 13:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-11

Matrix: Solid

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:27	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-6 @ 18-19

Date Collected: 10/17/13 13:15

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-12

Matrix: Solid

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		1	208236	10/23/13 18:52	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 18:05	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:31	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

Client Sample ID: SB-6

Date Collected: 10/18/13 11:03

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208984	10/28/13 16:06	EMA	TAL CHI
Total/NA	Prep	3510C			207879	10/21/13 07:32	AAS	TAL CHI
Total/NA	Analysis	8270D		1	208489	10/24/13 15:00	WDS	TAL CHI
Total/NA	Prep	3010A			207908	10/21/13 07:45	MJP	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:18	PJ1	TAL CHI

Client Sample ID: Field Duplicate-S

Date Collected: 10/17/13 00:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-14

Matrix: Solid

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			207863	10/17/13 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	207912	10/21/13 15:21	BDW	TAL CHI
Total/NA	Prep	3541			207875	10/21/13 07:18	STW	TAL CHI
Total/NA	Analysis	8270D		1	208305	10/23/13 18:24	GES	TAL CHI
Total/NA	Prep	3050B			207764	10/18/13 16:30	RLL	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 01:35	PJ1	TAL CHI
Total/NA	Analysis	Moisture		1	208096	10/22/13 09:13	CMV	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Client Sample ID: Field Duplicate-G

Date Collected: 10/18/13 00:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208704	10/25/13 23:03	EMA	TAL CHI
Total/NA	Prep	3510C			207879	10/21/13 07:32	AAS	TAL CHI
Total/NA	Analysis	8270D		1	208489	10/24/13 15:24	WDS	TAL CHI
Total/NA	Prep	3010A			207908	10/21/13 07:45	MJP	TAL CHI
Total/NA	Analysis	6010C		1	208475	10/24/13 00:22	PJ1	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 10/17/13 00:00

Date Received: 10/18/13 14:32

Lab Sample ID: 500-65215-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208704	10/25/13 16:20	EMA	TAL CHI

Laboratory References:

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

Certification Summary

Client: Weaver Boos Consultants LLC
Project/Site: Barb (Main & Lafayette)

TestAmerica Job ID: 500-65215-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-14
Kentucky	State Program	4	90023	12-31-13
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	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	04-30-14
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

TestAmerica



THE LEADER IN ENVIRONMENTAL
 2417 Bond Street, University Park, IL 61
 Phone: 708.534.5200 Fax: 708.534.5200

500-65215 COC

Chain of Custody Record

Lab Job #: 500-65215
 Chain of Custody Number: _____
 Page 1 of 2
 Temperature °C of Cooler: (2.8)(3.1)

(optional)

Report To: _____
 Contact: Edward Stefano K
 Company: Weaver Boos Cons
 Address: 4085 Meghan Beckler
 Address: South Bend IN
 Phone: 574.271.3447
 Fax: 574.271.3343
 E-Mail: eststano.k@weaverboos.com PO# / Reference#

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____

Lab ID	MS/MSD	Sample ID	Date	Sampling		Matrix	Preservative	Parameter	Containers # of	Matrix	Comments
				Time	Time						
1	X	SB-1 @ 12-13'	10/17	0945	7 S	X			7	X	lead
2	X	SB-1	10/18	0950	4 W	X		PAHs (graphites)	4	X	lead
3		SB-2 @ 12-13.5'	10/17	1010	7 S	X		VOCs	7	X	
4		SB-2 @ 20-21'	10/17	1245	7 S	X			7	X	
5		SB-2	10/18	1020	4 W	X			4	X	
6		SB-3 @ 12-13'	10/17	1045	7 S	X			7	X	
7		SB-3	10/17	1100	6 W	X			6	X	
8		SB-4 @ 11-12'	10/17	1130	7 S	X			7	X	
9		SB-5 @ 12-13'	10/17	1200	7 S	X			7	X	
10		SB-5 @ 18-19'	10/17	1230	7 S	X			7	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)
 Requested Due Date: ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Sample Disposal: Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<u>[Signature]</u>	<u>KBC</u>	<u>10/18/13</u>	<u>1330 EST</u>	<u>[Signature]</u>	<u>TA</u>	<u>10/18/13</u>	<u>1230</u>
<u>[Signature]</u>	<u>KBC</u>	<u>10/18/13</u>	<u>1410</u>	<u>[Signature]</u>	<u>TA</u>	<u>10/18/13</u>	<u>1340</u>
<u>[Signature]</u>	<u>TA</u>	<u>10/18/13</u>	<u>1432</u>	<u>[Signature]</u>	<u>TA</u>	<u>10/18/13</u>	<u>1432</u>

Lab Comments: _____

- 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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Chain of Custody Record

Lab Job #: 500-65215
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: _____

Report To: Edward Sklanek
 Contact: Weaver Boos Cons.
 Company: 4085 MECHAN BRIDGE
 Address: SOUTH BEND IN
 Address: SOUTH BEND IN
 Phone: 574.271.3447
 Fax: 574.271.3343
 E-Mail: est@skanek.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Lab ID	Sample ID	Date	Time	Preservative		Matrix	# Containers	Disposal by Lab	Archive for	Date	Time	Company	Lab Courier	Shipped	Hand Delivered	Comments
				Parameter	Matrix											
11	SB-6e 12-13'	10/17	1300	X	S	S	7	X		10/18/13	1830	WBC	TA			
12	SB-6e 18-19'	10/17	1315	X	S	S	7	X		10/18/13	1440	WBC	TA			
13	SB-6	10/18	1130	X	W	W	6	X		10/18/13	1932	WBC	TA			
14	FIELD Duplicate - S	10/17	---	X	S	S	7	X		10/18/13		WBC	TA			
15	FIELD Duplicate - G	10/18	---	X	W	W	6	X		10/18/13		WBC	TA			
1	MS/MSD - S	10/17	0945	X	S	S	12	X		10/18/13		WBC	TA			
2	MS/MSD - G	10/18	0950	X	W	W	12	X		10/18/13		WBC	TA			
16	TIP Blank	10/14	LAB	X	W	W	2	X		10/18/13		WBC	TA			

Turnaround Time Required (Business Days)
 Requested Due Date: _____ 1 Day _____ 2 Days _____ 5 Days _____ 7 Days _____ 10 Days _____ 15 Days _____ Other _____
 (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: Larry Huh Date: 10/18/13 Time: 1330
 Relinquished By: Larry Huh Date: 10/18/13 Time: 1340
 Relinquished By: Larry Huh Date: 10/18/13 Time: 1932

Received By: Larry Huh Date: 10/18/13 Time: 1830
 Received By: Larry Huh Date: 10/18/13 Time: 1440
 Received By: Larry Huh Date: 10/18/13 Time: 1932

Disposal by Lab: Return to Client:
 Matrix Key: WBC Company: WBC Date: 10/18/13 Time: 1830
 Matrix Key: TA Company: TA Date: 10/18/13 Time: 1440
 Matrix Key: TA Company: TA Date: 10/18/13 Time: 1932

Client Comments: _____
 Lab Comments: _____

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

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 500-65215-1

Login Number: 65215

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	2.8,3.1
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 spitting or composting.	True	
Residual Chlorine Checked.	N/A	

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