

REVISED

RESULTS OF QUARTERLY GROUNDWATER SAMPLING CONDUCTED JUNE 3-4, 2014 FOR SECOND QUARTER, 2014

EASTERN PORTION OF THE CABOT CARBON/KOPPERS SUPERFUND SITE GAINESVILLE, FLORIDA

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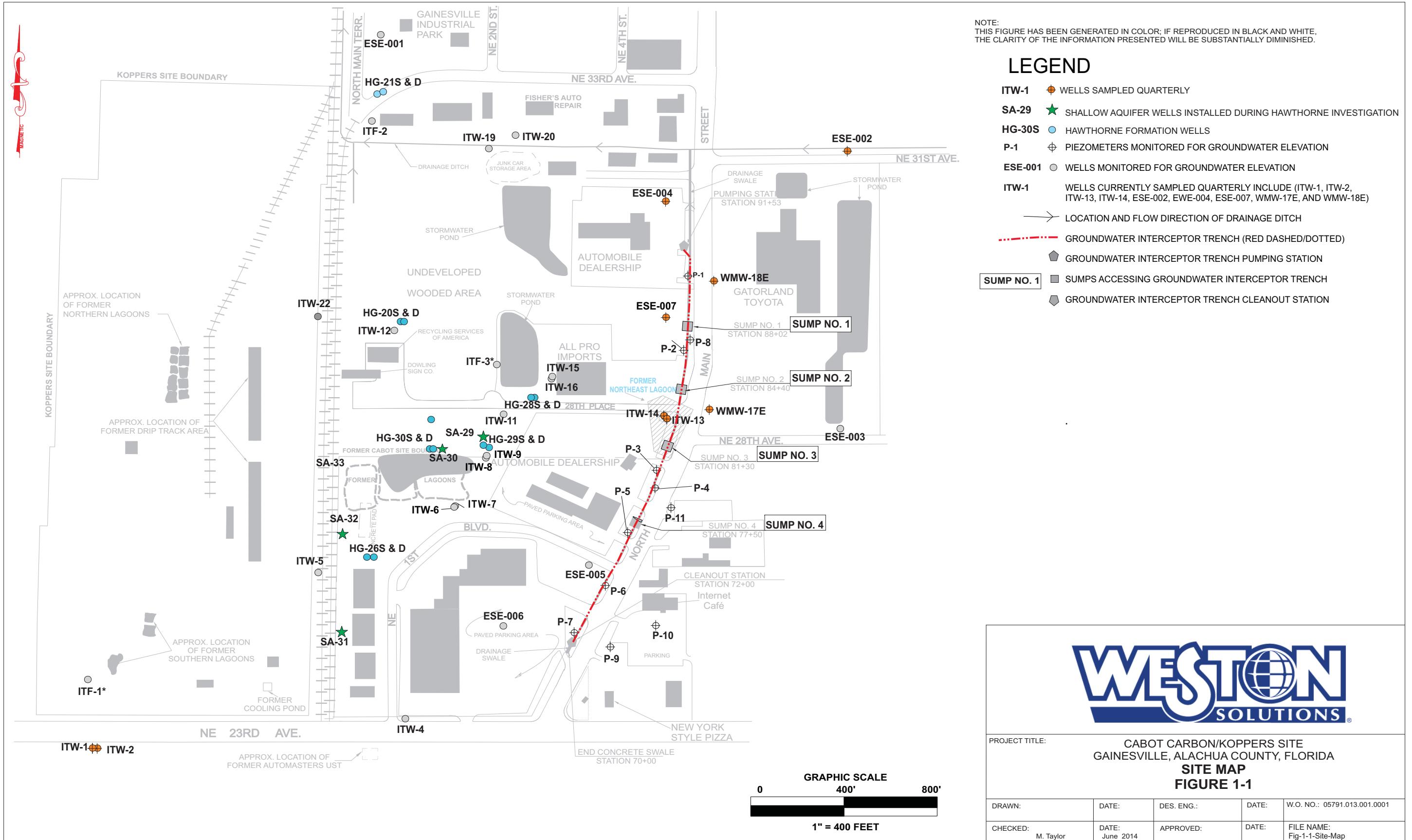
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SECTION 1

BACKGROUND

The purpose of the second quarter 2014 sampling conducted by Weston Solutions, Inc., (WESTON®) is to evaluate the effectiveness of the groundwater collection system operating along the border of the eastern portion of the Cabot Carbon/Koppers Superfund Site (Eastern Site) (Figure 1-1). The current post-remedial groundwater monitoring program for the Eastern Site includes sampling the following wells on a quarterly basis: ITW-13, ITW-14, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, and up-gradient monitoring wells ITW-1 and ITW-2. This report summarizes the results of the second quarter 2014 groundwater sampling event.



SECTION 2

METHODOLOGY

Groundwater samples were collected from the Eastern Site monitoring wells by WESTON on June 3 & 4, 2014. The wells were purged using a peristaltic pump and low flow sampling techniques were employed. During the well purge, physical parameter measurements including turbidity, pH, temperature, specific conductance and dissolved oxygen were taken periodically, with the exception of ITW-14. Physical parameters are not measured in ITW-14 due to the tar in the well that may damage the instruments. The physical parameter readings are provided in Appendix A of this report. Once well purging activities were completed, samples were collected through Teflon lined tubing and placed in laboratory provided containers. Samples were packed in a cooler with wet ice and shipped via overnight carrier to Test America, Inc. to be analyzed for the parameters listed in Table 2-1.

Table 2-1
Wells Sampled & Corresponding Analytical Parameters

Wells Sampled	Analytical Method	Analytes
ITW-1, ITW-2, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, ITW-13, & ITW-14	VOCs Method 8260	
		Acetone
		Benzene
		Bromoform
		Bromomethane
		2-Butanone (MEK)
		Carbon disulfide
		Carbon tetrachloride
		Chlorobenzene
		Chlorodibromomethane
		Chloroethane
		Chloroform
		Chloromethane
		cis-1,3-Dichloropropene
		Dichlorobromomethane
		1,1-Dichloroethane
		1,2-Dichloroethane
		1,1-Dichloroethene
		1,2-Dichloropropane
		Ethylbenzene
		2-Hexanone
		Methylene Chloride
		4-Methyl-2-pentanone (MIBK)
		Styrene
		1,1,2,2-Tetrachloroethane
		Tetrachloroethene
		Toluene
		trans-1,2-Dichloroethene
		trans-1,3-Dichloropropene
		1,1,1-Trichloroethane
		1,1,2-Trichloroethane
		Trichloroethene
		Vinyl chloride
		4-Bromofluorobenzene
		Dibromofluoromethane
		Toluene-d8 (Surr)
		Xylenes, Total
ITW-1, ITW-2, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, ITW-13, & ITW-14	SVOCs Method 8270 D LL	
		Acenaphthene
		Acenaphthylene
		Anthracene
		Benzo[a]anthracene
		Benzo[a]pyrene
		Benzo[b]fluoranthene
		Benzo[g,h,i]perylene
		Benzo[k]fluoranthene
		Bis(2-chloroethoxy)methane
		Bis(2-chloroethyl)ether
		Bis(2-ethylhexyl) phthalate
		4-Bromophenyl phenyl ether

Wells Sampled	Analytical Method	Analytes
ITW-1, ITW-2, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, ITW-13, & ITW-14	SVOCs Method 8270 D LL	Butyl benzyl phthalate Carbazole 4-Chloroaniline 4-Chloro-3-methylphenol 2-Chloronaphthalene 2-Chlorophenol 4-Chlorophenyl phenyl ether Chrysene Dibenz(a,h)anthracene Dibenzofuran 3,3'-Dichlorobenzidine 2,4-Dichlorophenol Diethyl phthalate 2,4-Dimethylphenol Dimethyl phthalate Di-n-butyl phthalate 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-octyl phthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone 2-Methylnaphthalene 2-Methylphenol 3 & 4 Methylphenol Naphthalene 4-Nitroaniline 2-Nitroaniline 3-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine Pentachlorophenol Phenanthrene Phenol Pyrene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol
ITW-1, ITW-2, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, ITW-13, & ITW-14	Total Metals Method 6010	Arsenic Chromium

SECTION 3

WATER LEVEL MEASUREMENTS

To assist in evaluating the interceptor trench's effectiveness, water level measurements were collected on June 3, 2014, from 41 Eastern Site monitoring wells, 6 piezometers, and the 4 sumps along the interceptor trench.

The entire Eastern Site monitoring well network was resurveyed in July 2013, with the exception of the "SA" series wells, which were surveyed in 2011 when installed. The updated survey was undertaken to account for wells that have been relocated during site development activities and reconcile discrepancies in the results of various surveys that have been conducted at the Site over the last 15 years.

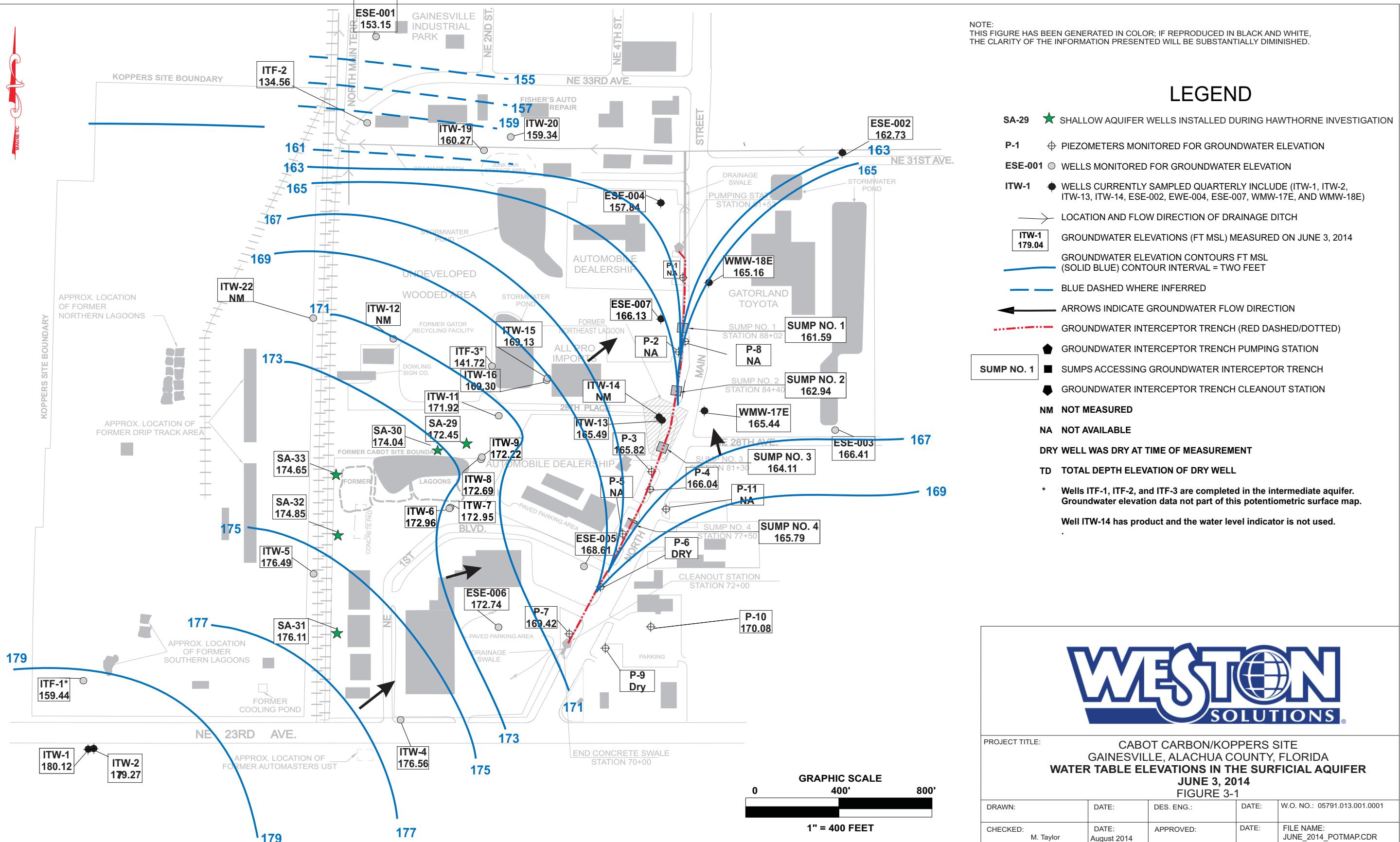
The surveyed elevation and water level data for each well were utilized to calculate the groundwater elevation at each location. The elevation of each well was established by registered Florida land surveyors. Groundwater elevations collected from the Eastern Site are summarized in Table 3-1. Figure 3-1 shows the water level elevations and groundwater flow directions in the upper surficial aquifer measured on June 3, 2014.

Based on the groundwater elevations measured in the surficial aquifer, the groundwater flow direction beneath the southern part of the Cabot Carbon/Koppers site is to the northeast toward the groundwater interceptor trench (see Figure 3-1). The average hydraulic gradient in the southern portion of the Eastern Site is calculated to be approximately 6.59×10^{-3} ft/ft. Beneath the northern part of the Eastern Site, the groundwater flow direction is to the north-northeast and the average hydraulic gradient in this area is approximately 1.17×10^{-2} ft/ft. Groundwater elevations indicate that the interceptor trench maintains effective control of the groundwater in the upper surficial aquifer. For example, groundwater in the area of well WMW-18E continues to flow west towards the interceptor trench (see Figure 3-1).

Table 3-1
Groundwater Depths and Elevations
Measured 6-3-2014
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Gainesville, Alachua County, Florida

Monitoring Well ID	Top of Casing/Sump Elevation Feet (MSL) ³	Depth to Water	Groundwater Elevation Feet (MSL)	Depth of Screened Interval ⁴
ITW-1	188.47	8.35	180.12	15.50 - 25.50
ITW-2	187.48	8.21	179.27	5.50 - 15.50
ITW-3	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-4	187.82	11.26	176.56	5.00 - 15.00
ITW-5	185.34	8.85	176.49	19.00 - 24.00
ITW-6	183.10	10.14	172.96	18.50 - 28.50
ITW-7	182.97	10.02	172.95	8.50 - 18.50
ITW-8	180.81	8.12	172.69	18.50 - 28.50
ITW-9	180.30	8.08	172.22	8.00 - 18.00
ITW-10	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-11	180.91	8.99	171.92	6.00 - 16.00
ITW-12	177.49		Not Measured	6.50 26.50
ITW-13	174.14	8.65	165.49	23.00 - 33.00
ITW-14	174.80	Less than 0.1 ft of product	Not Measured	5.00 - 15.00
ITW-15	175.90	6.77	169.13	20.00 - 30.00
ITW-16	175.41	6.11	169.30	12.50 - 22.50
WMW-17E	175.29	9.85	165.44	9.00 - 29.00
WMW-18E	172.92	7.76	165.16	9.00 - 29.00
ITW-19	169.74	9.47	160.27	11.00 - 31.00
ITW-20	169.77	10.43	159.34	11.00 - 31.00
ITW-21	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-22	180.54	NM	Not Measured ⁵	3.00 - 13.00
ESE-001	162.05	8.90	153.15	6.50 - 21.20
ESE-002	169.08	6.35	162.73	8.00 - 23.00
ESE-003	171.86	5.45	166.41	9.00 - 29.00
ESE-004	166.69	8.85	157.84	6.50 - 21.50
ESE-005	178.23	9.62	168.61	9.50 - 29.50
ESE-006	180.39	7.65	172.74	7.50 - 27.50
ESE-007	168.42	2.29	166.13	7.50 - 22.50
SA-29	179.32	6.87	172.45	26.0 31.0
SA-30	179.50	5.46	174.04	24.0 29.0
SA-31	184.45	8.34	176.11	21.0 26.0
SA-32	185.07	10.22	174.85	20.0 25.0
SA-33	185.66	11.01	174.65	20.0 25.0
ITF-1	186.63	27.19	159.44	69.00 - 79.00
ITF-2	168.95	34.39	134.56	71.00 - 81.00
ITF-3	176.61	34.89	141.72	69.50 - 79.50
P-1	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
P-2	169.77	Dry	could not find	5.18 - 10.18
P-3	171.05	5.23	165.82	5.00 - 10.00
P-4	172.26	6.22	166.04	5.00 - 10.00
P-5	173.20	Not Found	Not found	6.65 - 11.65
P-6	177.07	Dry	Dry	7.50 - 12.50
P-7	179.24	9.82	169.42	7.50 - 12.50
P-8	168.44	Not Found	Not Found	5.00 - 10.00
P-9	181.35	silted in	silted in	10.00 - 15.00
P-10	180.23	10.15	170.08	10.00 - 15.00
P-11	173.35	Not Found	Not found	10.00 - 15.00
Sump No. 1	168.95	7.36	161.59	Sump
Sump No. 2	169.80	6.86	162.94	Sump
Sump No. 3	170.94	6.83	164.11	Sump
Sump No. 4	173.27	7.48	165.79	Sump

- Notes:**
1. Depths to water measured on 6-3-2014
 2. All depths measured in feet below top of casing. Elevations are in feet above mean sea level (MSL).
 3. Top of casing elevations measured by registered Florida Land Surveyors.
 4. Screened intervals measured from top of casing.
 5. Depth to water in ITW-14 was not measured due to tar in the well. Estimated thickness of product determined by placing bailer at bottom of well and then measuring thickness of product.



Additionally, the groundwater flow directions shown by the overall potentiometric surface indicate that the groundwater flow direction in the surficial aquifer is generally toward the interceptor trench. These data further substantiate that the Eastern Site interceptor trench is collecting groundwater from the eastern and western sides of the trench.

Based on the groundwater elevations from the three intermediate aquifer wells, the groundwater flow direction in this aquifer continues to be generally toward the east/northeast. A downward hydraulic gradient continues to be present between the surficial and intermediate aquifers. On June 3, 2014, a head difference of approximately 30.2 feet was measured between surficial aquifer well ITW-11 and intermediate aquifer (Hawthorne Group) well ITF-3 (see Table 3-1).

SECTION 4

ANALYTICAL RESULTS

The laboratory analytical data package for the monitor well samples collected at the Eastern Site in June 2014 is provided in Appendix B, and a summary of these data exceeding Record of Decision (ROD) cleanup goals is contained in Table 4-1. A historical summary of the monitor well data collected prior to the installation of the remedial system is provided in Appendix C. A summary of the recent post-remedial construction monitor well analytical data is provided in Appendix D. Discussion of the second quarter 2014 sampling results is provided below.

Arsenic and chromium were not detected above the laboratory reporting limits during this sampling event. Benzene concentrations exceeded the ROD cleanup goals of 1 µg/L in groundwater samples collected from ITW-13 (96 µg/L), ITW-14 (35 µg/L), and ESE-007 (1.6 µg/L). Naphthalene concentrations were above the ROD cleanup goal of 18 µg/L in ITW-14 (120 µg/L). Phenol concentrations did not exceed the ROD cleanup goal of 2,630 µg/L in any of the wells sampled. Total potentially carcinogenic PAHs concentrations were not detected above the laboratory reporting limits during this sampling event.

No continuous layer of tar was observed in ITW-14; however, small droplets of tar were visible in the water extracted from this well. Wells ITW-13 and ITW-14 are located within the former Northeast Lagoon. Groundwater in the area of these wells migrates toward the interceptor trench.

Table 4-1

Summary of Surficial Aquifer Groundwater Analytical Data Exceeding ROD Cleanup Goals
Eastern Portion of Cabot Carbon/Koppers Superfund Site
June 3 & 4, 2014

Well Designation/ Screened Interval (feet)	Parameter	Results (µg/L)	RL (µg/L)	ROD Cleanup Goal (µg/L)
ITW-13 / 23-33	Benzene	96	5	1
ITW-14 / 5-15	Benzene	35	5	1
	Naphthalene	120	20	18
ESE-007 / 7.5-22.5	Benzene	1.6	1.0	1

(µg/L) = micrograms per liter

RL = Report Limit

ROD = Record of Decision

E = Result exceeded calibration range.

* Total Potentially Carcinogenic PAHs include: Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Chrysene, Dibenzo (a,h) anthracene, & Indeno (1,2,3-cd)pyrene.

Quality control samples collected included a duplicate, an equipment blank and travel blank. The duplicate sample was collected at well ESE-007. A comparison of the laboratory results from the regular sample and duplicate is provided in Table 4-2. Comparison of the results from ESE-007 and the duplicate show favorable agreement between the sample and duplicate. There were no detections reported in the travel blank and equipment blank analyses.

Table 4-2

**Comparision of ESE-007 and Duplicate Sample
Eastern Portion of Cabot Carbon/Koppers Superfund Site
June 4, 2014**

Parameter	ESE-007 Results (ug/L)	ESE-007 Reporting Limit (ug/L)	ESE-007 Duplicate Results (ug/L)	ESE-007 Duplicate Reporting Limit (ug/L)
Benzene	1.4	1.0	1.6	1.0
Ethylbenzene	1.2	1.0	1.2	1.2
Total Xylenes	2.9	2.0	3.0	2.0
Naphthalene	1.4	0.19	1.2	0.20
2,4-dimethylphenol	16	1.9	13	2.0

($\mu\text{g}/\text{L}$) = micrograms per liter

RL = Reporting Limit

SECTION 5

FINDINGS

Based on the groundwater analytical data collected at the Eastern Site during the second quarter 2014 sampling event, WESTON offers the following findings:

- The groundwater interceptor trench continues to maintain effective hydraulic control of the upper surficial aquifer.
- The groundwater interceptor trench continues to effectively capture constituents from the Northeast Lagoon area in the surficial aquifer.
- The overall distribution of constituents appears to be similar to that reported from previous quarterly sampling events for the majority of the site.
- The next quarterly groundwater sampling event for the Eastern Site will be scheduled for August 2014. The wells scheduled to be sampled in the third quarter 2014 are ITW-1, ITW-2, ITW-13, ITW-14, WMW-17E, WMW-18E, ESE-002, ESE-004, and ESE-007.

APPENDIX A

WELL PURGE DATA

Cabot Quarterly Well Purge Data June 3-4, 2014

Well ID	DTW (Feet)	Time	Date	Volume Gallons	Temp. °C	Conductivity (ms/cm)	pH	Dissolved O2 (MG/L)	Turbidity NTU	ORP	Odor Yes/No	Sample Time	Purge Dry Yes/No	Comments
ITW-1	8.37	1636	6/3/2014	1.50	23.76	0.149	4.47	0.45	2.23	-13.0	No	16:50	No	
		1641	6/3/2014	2.10	23.81	0.149	4.46	0.43	0.36	-12.2				
		1645	6/3/2014	2.70	23.70	0.149	4.55	0.33	0.34	-12.3				
ITW-2	8.25	17:25	6/3/2014	1.5	24.13	0.220	4.49	0.50	1.21	-71.4	No	17:40	No	
		17:29	6/3/2014	2.1	23.98	0.214	4.48	0.39	0.66	-73.8				
		17:33	6/3/2014	2.7	23.84	0.212	4.54	0.29	0.49	-75.5				
WMW-17E	8.99	18:31	6/3/2014	1.0	25.39	0.127	4.70	0.71	0.50	-101.70	Yes	18:42	No	
		18:35	6/3/2014	1.4	25.39	0.126	4.71	0.47	1.26	-103.60				
		18:39	6/3/2014	1.8	25.28	0.125	4.73	0.41	0.46	-102.80				
WMW-18E	7.69	19:37	6/3/2014	1.0	25.12	0.268	4.69	0.61	4.11	-85.4	Yes	19:50	No	
		19:42	6/3/2014	1.5	24.89	0.270	4.73	0.37	5.94	-86.9				
		19:47	6/3/2014	2.0	24.84	0.269	4.77	0.28	3.92	-89.5				
ESE-004	8.91	13:44	6/4/2014	1.0	25.63	0.196	5.37	0.77	10.09	-9.40	Yes	14:23	No	
		13:51	6/4/2014	1.7	25.97	0.199	5.34	0.46	5.71	-20.90				
		13:55	6/4/2014	2.1	25.79	0.219	5.24	0.36	5.27	-31.80				
		14:00	6/4/2014	2.6	25.90	0.276	5.26	0.24	3.24	-39.20				
		14:05	6/4/2014	3.1	25.65	0.374	5.47	0.19	1.85	-50.30				
		14:10	6/4/2014	3.6	25.28	0.379	5.51	0.17	2.44	-50.90				
		14:15	6/4/2014	4.1	25.24	0.408	5.56	0.41	1.52	-55.10				
		14:20	6/4/2014	4.6	25.21	0.412	5.61	0.13	2.04	-58.20				
ESE-002	6.39	15:22	6/4/2014	2.0	23.78	0.090	5.43	0.37	3.30	14.2	No	15:53	No	
		15:27	6/4/2014	3.0	23.86	0.090	5.47	0.33	3.74	14.8				
		15:32	6/4/2014	4.0	23.98	0.092	5.58	0.32	3.39	8.9				
		15:37	6/4/2014	5.0	23.88	0.084	5.61	0.26	4.00	9.0				
		15:44	6/4/2014	6.0	23.90	0.087	5.68	0.22	3.83	9.0				
		15:49	6/4/2014	7.0	23.94	0.086	5.67	0.19	3.86	5.0				
ESE-007	2.33	11:45	6/4/2014	2.0	22.41	0.486	5.31	0.18	48.10	-105.90	Yes	12:05	No	Collected Duplicate
		11:50	6/4/2014	2.5	22.22	0.480	5.33	0.16	10.24	-110.30				
		11:55	6/4/2014	3.0	22.42	0.478	5.39	0.17	12.15	-95.70				
		12:00	6/4/2014	3.5	22.24	0.476	5.41	0.15	4.27	-110.70				
ITW-13	8.71	10:07	6/4/2014	1.1	25.01	0.159	4.60	0.84	7.28	70.80	Yes	10:22	No	
		10:12	6/4/2014	1.6	25.02	0.157	4.54	0.35	2.64	69.30				
		10:17	6/4/2014	2.1	25.06	0.157	4.63	0.24	4.07	61.00				

Notes:

°C = degrees celcius

ms/cm = microsiemens per centimeter

MG/L = milligrams per liter

NTU = Nephelometric Turbidity Unit

Physical parameter readings not taken on ITW-14 due to tar in the well.

APPENDIX B

LABORATORY ANALYTICAL DATA PACKAGE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-102073-1

Client Project/Site: Cabot, Quarterly

Revision: 1

For:

Weston Solutions, Inc.

94072 Summer Breeze Drive

Fernandina Beach, Florida 32034

Attn: Mr. Mark Taylor



Authorized for release by:

9/25/2014 2:16:52 PM

Lisa Harvey, Project Manager II

(912)354-7858 e.3221

lisa.harvey@testamericainc.com

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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.

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Job ID: 680-102073-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Cabot, Quarterly

Report Number: 680-102073-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report has been revised. The samples were re-logged on 09/24/2014 to report a full-list of SVOCs.

RECEIPT

The samples were received on 6/6/2014 10:01 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.0° C, 3.4° C and 4.2° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ITW1 (680-102073-1), ITW2 (680-102073-2), WMW17E (680-102073-3), WMW18E (680-102073-4), ITW13 (680-102073-5), ESE007 (680-102073-6), ESE007D (680-102073-7), ESE004 (680-102073-8), ESE002 (680-102073-9), ITW14 (680-102073-10), EQUIPMENT BLANK (680-102073-11) and TRIP BLANK (680-102073-12) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 334033 recovered above the upper control limit for chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 680-334033/3).

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 334033 recovered outside control limits for the following analytes: chloroethane. This analyte was biased high in the LCS and LCSD but was not detected in the associated samples; therefore, the data has been reported.

Samples ITW13 (680-102073-5)[5X] and ITW14 (680-102073-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

SEMOVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples ITW1 (680-102073-1), ITW2 (680-102073-2), WMW17E (680-102073-3), WMW18E (680-102073-4), ITW13 (680-102073-5), ESE007 (680-102073-6), ESE007D (680-102073-7), ESE004 (680-102073-8), ESE002 (680-102073-9) and ITW14 (680-102073-10) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D.

Method(s) 8270D LL: The following sample(s) required a dilution due to the nature of the sample matrix: ITW13 (680-102073-5), ITW14 (680-102073-10). Because of this dilution, the surrogate spikes are not reported.

Method(s) 8270D LL: The initial calibration curve analyzed in batch 335666 was outside method criteria for the following analyte(s): 2,4 Dinitrophenol and Benzidine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Some analytes have recoveries outside control limits. These analytes were not originally target analytes, and no corrective action would have been done for non-target analytes. Refer to QC pages for details.

Samples ITW13 (680-102073-5)[500X] and ITW14 (680-102073-10)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples ITW1 (680-102073-1), ITW2 (680-102073-2), WMW17E (680-102073-3), WMW18E (680-102073-4), ITW13 (680-102073-5),

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Job ID: 680-102073-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

ESE007 (680-102073-6), ESE007D (680-102073-7), ESE004 (680-102073-8), ESE002 (680-102073-9) and ITW14 (680-102073-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

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Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-102073-1	ITW1	Water	06/03/14 16:50	06/06/14 10:01
680-102073-2	ITW2	Water	06/03/14 17:40	06/06/14 10:01
680-102073-3	WMW17E	Water	06/03/14 18:42	06/06/14 10:01
680-102073-4	WMW18E	Water	06/03/14 19:50	06/06/14 10:01
680-102073-5	ITW13	Water	06/04/14 10:22	06/06/14 10:01
680-102073-6	ESE007	Water	06/04/14 12:05	06/06/14 10:01
680-102073-7	ESE007D	Water	06/04/14 12:05	06/06/14 10:01
680-102073-8	ESE004	Water	06/04/14 14:23	06/06/14 10:01
680-102073-9	ESE002	Water	06/04/14 15:53	06/06/14 10:01
680-102073-10	ITW14	Water	06/04/14 17:55	06/06/14 10:01
680-102073-11	EQUIPMENT BLANK	Water	06/05/14 09:05	06/06/14 10:01
680-102073-12	TRIP BLANK	Water	06/05/14 00:00	06/06/14 10:01

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Method Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW1

Date Collected: 06/03/14 16:50

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L		06/13/14 13:36		1
Benzene	<1.0		1.0		ug/L		06/13/14 13:36		1
Bromoform	<1.0		1.0		ug/L		06/13/14 13:36		1
Bromomethane	<5.0		5.0		ug/L		06/13/14 13:36		1
2-Butanone (MEK)	<10		10		ug/L		06/13/14 13:36		1
Carbon disulfide	<2.0		2.0		ug/L		06/13/14 13:36		1
Carbon tetrachloride	<1.0		1.0		ug/L		06/13/14 13:36		1
Chlorobenzene	<1.0		1.0		ug/L		06/13/14 13:36		1
Chlorodibromomethane	<1.0		1.0		ug/L		06/13/14 13:36		1
Chloroethane	<5.0		5.0		ug/L		06/13/14 13:36		1
Chloroform	<1.0		1.0		ug/L		06/13/14 13:36		1
Chloromethane	<1.0		1.0		ug/L		06/13/14 13:36		1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 13:36		1
Dichlorobromomethane	<1.0		1.0		ug/L		06/13/14 13:36		1
1,1-Dichloroethane	<1.0		1.0		ug/L		06/13/14 13:36		1
1,2-Dichloroethane	<1.0		1.0		ug/L		06/13/14 13:36		1
1,1-Dichloroethene	<1.0		1.0		ug/L		06/13/14 13:36		1
1,2-Dichloropropane	<1.0		1.0		ug/L		06/13/14 13:36		1
Ethylbenzene	<1.0		1.0		ug/L		06/13/14 13:36		1
2-Hexanone	<10		10		ug/L		06/13/14 13:36		1
Methylene Chloride	<5.0		5.0		ug/L		06/13/14 13:36		1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L		06/13/14 13:36		1
Styrene	<1.0		1.0		ug/L		06/13/14 13:36		1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L		06/13/14 13:36		1
Tetrachloroethene	<1.0		1.0		ug/L		06/13/14 13:36		1
Toluene	<1.0		1.0		ug/L		06/13/14 13:36		1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		06/13/14 13:36		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 13:36		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		06/13/14 13:36		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		06/13/14 13:36		1
Trichloroethene	<1.0		1.0		ug/L		06/13/14 13:36		1
Vinyl chloride	<1.0		1.0		ug/L		06/13/14 13:36		1
Xylenes, Total	<2.0		2.0		ug/L		06/13/14 13:36		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	102		70 - 130				06/13/14 13:36		1
Dibromofluoromethane	104		70 - 130				06/13/14 13:36		1
Toluene-d8 (Surr)	104		70 - 130				06/13/14 13:36		1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 19:13	1
Bis(2-chloroethoxy)methane	<0.99		0.99		ug/L		06/09/14 16:07	06/18/14 19:13	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW1

Date Collected: 06/03/14 16:50

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Bromophenyl phenyl ether	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Butyl benzyl phthalate	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Chloro-3-methylphenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Chloronaphthalene	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Chlorophenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Chlorophenyl phenyl ether	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Dibenzofuran	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,4-Dichlorophenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Diethyl phthalate	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
Dimethyl phthalate	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Di-n-butyl phthalate	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,4-Dinitrophenol	<9.9		9.9		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,4-Dinitrotoluene	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,6-Dinitrotoluene	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Di-n-octyl phthalate	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Hexachlorobenzene	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Hexachlorobutadiene	<0.99 *		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
Hexachloroethane	<0.99 *		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Isophorone	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Nitroaniline	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
3-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
Nitrobenzene	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
2-Nitrophenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
4-Nitrophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
N-Nitrosodi-n-propylamine	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
N-Nitrosodiphenylamine	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Pentachlorophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 19:13		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
Phenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 19:13		1
2,4,5-Trichlorophenol	<0.99		0.99		ug/L	06/09/14 16:07	06/18/14 19:13		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW1

Lab Sample ID: 680-102073-1

Date Collected: 06/03/14 16:50

Matrix: Water

Date Received: 06/06/14 10:01

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.99		0.99		ug/L		06/09/14 16:07	06/18/14 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		34 - 130				06/09/14 16:07	06/18/14 19:13	1
2-Fluorophenol (Surr)	66		25 - 130				06/09/14 16:07	06/18/14 19:13	1
Nitrobenzene-d5 (Surr)	71		32 - 130				06/09/14 16:07	06/18/14 19:13	1
Phenol-d5 (Surr)	66		27 - 130				06/09/14 16:07	06/18/14 19:13	1
Terphenyl-d14 (Surr)	77		36 - 130				06/09/14 16:07	06/18/14 19:13	1
2,4,6-Tribromophenol (Surr)	81		30 - 130				06/09/14 16:07	06/18/14 19:13	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:07	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:07	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW2

Date Collected: 06/03/14 17:40
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L		06/13/14 13:09		1
Benzene	<1.0		1.0		ug/L		06/13/14 13:09		1
Bromoform	<1.0		1.0		ug/L		06/13/14 13:09		1
Bromomethane	<5.0		5.0		ug/L		06/13/14 13:09		1
2-Butanone (MEK)	<10		10		ug/L		06/13/14 13:09		1
Carbon disulfide	<2.0		2.0		ug/L		06/13/14 13:09		1
Carbon tetrachloride	<1.0		1.0		ug/L		06/13/14 13:09		1
Chlorobenzene	<1.0		1.0		ug/L		06/13/14 13:09		1
Chlorodibromomethane	<1.0		1.0		ug/L		06/13/14 13:09		1
Chloroethane	<5.0		5.0		ug/L		06/13/14 13:09		1
Chloroform	<1.0		1.0		ug/L		06/13/14 13:09		1
Chloromethane	<1.0		1.0		ug/L		06/13/14 13:09		1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 13:09		1
Dichlorobromomethane	<1.0		1.0		ug/L		06/13/14 13:09		1
1,1-Dichloroethane	<1.0		1.0		ug/L		06/13/14 13:09		1
1,2-Dichloroethane	<1.0		1.0		ug/L		06/13/14 13:09		1
1,1-Dichloroethene	<1.0		1.0		ug/L		06/13/14 13:09		1
1,2-Dichloropropane	<1.0		1.0		ug/L		06/13/14 13:09		1
Ethylbenzene	<1.0		1.0		ug/L		06/13/14 13:09		1
2-Hexanone	<10		10		ug/L		06/13/14 13:09		1
Methylene Chloride	<5.0		5.0		ug/L		06/13/14 13:09		1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L		06/13/14 13:09		1
Styrene	<1.0		1.0		ug/L		06/13/14 13:09		1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L		06/13/14 13:09		1
Tetrachloroethene	<1.0		1.0		ug/L		06/13/14 13:09		1
Toluene	<1.0		1.0		ug/L		06/13/14 13:09		1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		06/13/14 13:09		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 13:09		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		06/13/14 13:09		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		06/13/14 13:09		1
Trichloroethene	<1.0		1.0		ug/L		06/13/14 13:09		1
Vinyl chloride	<1.0		1.0		ug/L		06/13/14 13:09		1
Xylenes, Total	<2.0		2.0		ug/L		06/13/14 13:09		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	104		70 - 130				06/13/14 13:09		1
Dibromofluoromethane	104		70 - 130				06/13/14 13:09		1
Toluene-d8 (Surr)	105		70 - 130				06/13/14 13:09		1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 19:30	1
Bis(2-chloroethoxy)methane	<1.0		1.0		ug/L		06/09/14 16:07	06/19/14 19:30	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW2

Date Collected: 06/03/14 17:40

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-2

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Bromophenyl phenyl ether	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Butyl benzyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Chloro-3-methylphenol	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Chloronaphthalene	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Chlorophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Chlorophenyl phenyl ether	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Dibenzofuran	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,4-Dichlorophenol	2.1		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Diethyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Dimethyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Di-n-butyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,4-Dinitrophenol	<10		10		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,4-Dinitrotoluene	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,6-Dinitrotoluene	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Di-n-octyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Hexachlorobenzene	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Hexachlorobutadiene	<1.0 *		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Hexachloroethane	<1.0 *		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Isophorone	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Nitroaniline	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
3-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Nitrobenzene	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
2-Nitrophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
4-Nitrophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
N-Nitrosodi-n-propylamine	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
N-Nitrosodiphenylamine	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Pentachlorophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
Phenol	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 19:30		1
2,4,5-Trichlorophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/19/14 19:30		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW2

Lab Sample ID: 680-102073-2

Date Collected: 06/03/14 17:40
Date Received: 06/06/14 10:01

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<1.0		1.0		ug/L		06/09/14 16:07	06/19/14 19:30	1
Surrogate									
2-Fluorobiphenyl	72		34 - 130				06/09/14 16:07	06/19/14 19:30	1
2-Fluorophenol (Surr)	71		25 - 130				06/09/14 16:07	06/19/14 19:30	1
Nitrobenzene-d5 (Surr)	75		32 - 130				06/09/14 16:07	06/19/14 19:30	1
Phenol-d5 (Surr)	68		27 - 130				06/09/14 16:07	06/19/14 19:30	1
Terphenyl-d14 (Surr)	78		36 - 130				06/09/14 16:07	06/19/14 19:30	1
2,4,6-Tribromophenol (Surr)	81		30 - 130				06/09/14 16:07	06/19/14 19:30	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:11	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:11	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW17E

Date Collected: 06/03/14 18:42

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L		06/13/14 18:45		1
Benzene	<1.0		1.0		ug/L		06/13/14 18:45		1
Bromoform	<1.0		1.0		ug/L		06/13/14 18:45		1
Bromomethane	<5.0		5.0		ug/L		06/13/14 18:45		1
2-Butanone (MEK)	<10		10		ug/L		06/13/14 18:45		1
Carbon disulfide	<2.0		2.0		ug/L		06/13/14 18:45		1
Carbon tetrachloride	<1.0		1.0		ug/L		06/13/14 18:45		1
Chlorobenzene	<1.0		1.0		ug/L		06/13/14 18:45		1
Chlorodibromomethane	<1.0		1.0		ug/L		06/13/14 18:45		1
Chloroethane	<5.0 *		5.0		ug/L		06/13/14 18:45		1
Chloroform	<1.0		1.0		ug/L		06/13/14 18:45		1
Chloromethane	<1.0		1.0		ug/L		06/13/14 18:45		1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 18:45		1
Dichlorobromomethane	<1.0		1.0		ug/L		06/13/14 18:45		1
1,1-Dichloroethane	<1.0		1.0		ug/L		06/13/14 18:45		1
1,2-Dichloroethane	<1.0		1.0		ug/L		06/13/14 18:45		1
1,1-Dichloroethene	<1.0		1.0		ug/L		06/13/14 18:45		1
1,2-Dichloropropane	<1.0		1.0		ug/L		06/13/14 18:45		1
Ethylbenzene	<1.0		1.0		ug/L		06/13/14 18:45		1
2-Hexanone	<10		10		ug/L		06/13/14 18:45		1
Methylene Chloride	<5.0		5.0		ug/L		06/13/14 18:45		1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L		06/13/14 18:45		1
Styrene	<1.0		1.0		ug/L		06/13/14 18:45		1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L		06/13/14 18:45		1
Tetrachloroethene	<1.0		1.0		ug/L		06/13/14 18:45		1
Toluene	<1.0		1.0		ug/L		06/13/14 18:45		1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		06/13/14 18:45		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 18:45		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		06/13/14 18:45		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		06/13/14 18:45		1
Trichloroethene	<1.0		1.0		ug/L		06/13/14 18:45		1
Vinyl chloride	<1.0		1.0		ug/L		06/13/14 18:45		1
Xylenes, Total	<2.0		2.0		ug/L		06/13/14 18:45		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	88		70 - 130				06/13/14 18:45		1
Dibromofluoromethane	108		70 - 130				06/13/14 18:45		1
Toluene-d8 (Surr)	110		70 - 130				06/13/14 18:45		1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.53		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:10	1
Bis(2-chloroethoxy)methane	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 16:10	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW17E
Date Collected: 06/03/14 18:42
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Bromophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Butyl benzyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Chloronaphthalene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Chlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Chlorophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Dibenzofuran	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,4-Dichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Diethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
Dimethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Di-n-butyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,4-Dinitrophenol	<9.8		9.8		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,4-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,6-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Di-n-octyl phthalate	1.4		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Hexachlorobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Hexachlorobutadiene	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
Hexachloroethane	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Isophorone	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:10		1
Naphthalene	1.7		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Nitroaniline	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
3-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:10		1
Nitrobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
2-Nitrophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
4-Nitrophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:10		1
N-Nitrosodi-n-propylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
N-Nitrosodiphenylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Pentachlorophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:10		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
Phenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:10		1
2,4,5-Trichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:10		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW17E
Date Collected: 06/03/14 18:42
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		34 - 130				06/09/14 16:07	06/23/14 16:10	1
2-Fluorophenol (Surr)	66		25 - 130				06/09/14 16:07	06/23/14 16:10	1
Nitrobenzene-d5 (Surr)	80		32 - 130				06/09/14 16:07	06/23/14 16:10	1
Phenol-d5 (Surr)	71		27 - 130				06/09/14 16:07	06/23/14 16:10	1
Terphenyl-d14 (Surr)	73		36 - 130				06/09/14 16:07	06/23/14 16:10	1
2,4,6-Tribromophenol (Surr)	85		30 - 130				06/09/14 16:07	06/23/14 16:10	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:15	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:15	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW18E

Date Collected: 06/03/14 19:50

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L		06/13/14 18:24		1
Benzene	<1.0		1.0		ug/L		06/13/14 18:24		1
Bromoform	<1.0		1.0		ug/L		06/13/14 18:24		1
Bromomethane	<5.0		5.0		ug/L		06/13/14 18:24		1
2-Butanone (MEK)	<10		10		ug/L		06/13/14 18:24		1
Carbon disulfide	<2.0		2.0		ug/L		06/13/14 18:24		1
Carbon tetrachloride	<1.0		1.0		ug/L		06/13/14 18:24		1
Chlorobenzene	<1.0		1.0		ug/L		06/13/14 18:24		1
Chlorodibromomethane	<1.0		1.0		ug/L		06/13/14 18:24		1
Chloroethane	<5.0 *		5.0		ug/L		06/13/14 18:24		1
Chloroform	<1.0		1.0		ug/L		06/13/14 18:24		1
Chloromethane	<1.0		1.0		ug/L		06/13/14 18:24		1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 18:24		1
Dichlorobromomethane	<1.0		1.0		ug/L		06/13/14 18:24		1
1,1-Dichloroethane	<1.0		1.0		ug/L		06/13/14 18:24		1
1,2-Dichloroethane	<1.0		1.0		ug/L		06/13/14 18:24		1
1,1-Dichloroethene	<1.0		1.0		ug/L		06/13/14 18:24		1
1,2-Dichloropropane	<1.0		1.0		ug/L		06/13/14 18:24		1
Ethylbenzene	<1.0		1.0		ug/L		06/13/14 18:24		1
2-Hexanone	<10		10		ug/L		06/13/14 18:24		1
Methylene Chloride	<5.0		5.0		ug/L		06/13/14 18:24		1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L		06/13/14 18:24		1
Styrene	<1.0		1.0		ug/L		06/13/14 18:24		1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L		06/13/14 18:24		1
Tetrachloroethene	<1.0		1.0		ug/L		06/13/14 18:24		1
Toluene	<1.0		1.0		ug/L		06/13/14 18:24		1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		06/13/14 18:24		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		06/13/14 18:24		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		06/13/14 18:24		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		06/13/14 18:24		1
Trichloroethene	<1.0		1.0		ug/L		06/13/14 18:24		1
Vinyl chloride	<1.0		1.0		ug/L		06/13/14 18:24		1
Xylenes, Total	<2.0		2.0		ug/L		06/13/14 18:24		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	88		70 - 130				06/13/14 18:24		1
Dibromofluoromethane	107		70 - 130				06/13/14 18:24		1
Toluene-d8 (Surr)	109		70 - 130				06/13/14 18:24		1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 16:35	1
Bis(2-chloroethoxy)methane	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 16:35	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW18E
Date Collected: 06/03/14 19:50
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Bromophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Butyl benzyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Chloronaphthalene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Chlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Chlorophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Dibenzofuran	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,4-Dichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Diethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,4-Dimethylphenol	3.5		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
Dimethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Di-n-butyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,4-Dinitrophenol	<9.8		9.8		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,4-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,6-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Di-n-octyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Hexachlorobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Hexachlorobutadiene	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
Hexachloroethane	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Isophorone	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 16:35		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Nitroaniline	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
3-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:35		1
Nitrobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
2-Nitrophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
4-Nitrophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:35		1
N-Nitrosodi-n-propylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
N-Nitrosodiphenylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Pentachlorophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 16:35		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
Phenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 16:35		1
2,4,5-Trichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 16:35		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: WMW18E
Date Collected: 06/03/14 19:50
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		34 - 130				06/09/14 16:07	06/23/14 16:35	1
2-Fluorophenol (Surr)	72		25 - 130				06/09/14 16:07	06/23/14 16:35	1
Nitrobenzene-d5 (Surr)	82		32 - 130				06/09/14 16:07	06/23/14 16:35	1
Phenol-d5 (Surr)	74		27 - 130				06/09/14 16:07	06/23/14 16:35	1
Terphenyl-d14 (Surr)	68		36 - 130				06/09/14 16:07	06/23/14 16:35	1
2,4,6-Tribromophenol (Surr)	90		30 - 130				06/09/14 16:07	06/23/14 16:35	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:19	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:19	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW13

Date Collected: 06/04/14 10:22

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<130		130		ug/L			06/13/14 18:02	5
Benzene	96		5.0		ug/L			06/13/14 18:02	5
Bromoform	<5.0		5.0		ug/L			06/13/14 18:02	5
Bromomethane	<25		25		ug/L			06/13/14 18:02	5
2-Butanone (MEK)	51		50		ug/L			06/13/14 18:02	5
Carbon disulfide	<10		10		ug/L			06/13/14 18:02	5
Carbon tetrachloride	<5.0		5.0		ug/L			06/13/14 18:02	5
Chlorobenzene	<5.0		5.0		ug/L			06/13/14 18:02	5
Chlorodibromomethane	<5.0		5.0		ug/L			06/13/14 18:02	5
Chloroethane	<25 *		25		ug/L			06/13/14 18:02	5
Chloroform	<5.0		5.0		ug/L			06/13/14 18:02	5
Chloromethane	<5.0		5.0		ug/L			06/13/14 18:02	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			06/13/14 18:02	5
Dichlorobromomethane	<5.0		5.0		ug/L			06/13/14 18:02	5
1,1-Dichloroethane	<5.0		5.0		ug/L			06/13/14 18:02	5
1,2-Dichloroethane	<5.0		5.0		ug/L			06/13/14 18:02	5
1,1-Dichloroethene	<5.0		5.0		ug/L			06/13/14 18:02	5
1,2-Dichloropropane	<5.0		5.0		ug/L			06/13/14 18:02	5
Ethylbenzene	300		5.0		ug/L			06/13/14 18:02	5
2-Hexanone	<50		50		ug/L			06/13/14 18:02	5
Methylene Chloride	<25		25		ug/L			06/13/14 18:02	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			06/13/14 18:02	5
Styrene	<5.0		5.0		ug/L			06/13/14 18:02	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			06/13/14 18:02	5
Tetrachloroethene	<5.0		5.0		ug/L			06/13/14 18:02	5
Toluene	370		5.0		ug/L			06/13/14 18:02	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			06/13/14 18:02	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			06/13/14 18:02	5
1,1,1-Trichloroethane	<5.0		5.0		ug/L			06/13/14 18:02	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			06/13/14 18:02	5
Trichloroethene	<5.0		5.0		ug/L			06/13/14 18:02	5
Vinyl chloride	<5.0		5.0		ug/L			06/13/14 18:02	5
Xylenes, Total	160		10		ug/L			06/13/14 18:02	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					06/13/14 18:02	5
Dibromofluoromethane	98		70 - 130					06/13/14 18:02	5
Toluene-d8 (Surr)	110		70 - 130					06/13/14 18:02	5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Acenaphthylene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Anthracene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Benzo[a]anthracene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Benzo[a]pyrene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Benzo[b]fluoranthene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Benzo[g,h,i]perylene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Benzo[k]fluoranthene	<100		100		ug/L		06/09/14 16:07	06/19/14 20:43	500
Bis(2-chloroethoxy)methane	<500		500		ug/L		06/09/14 16:07	06/19/14 20:43	500

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW13
Date Collected: 06/04/14 10:22
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Bis(2-ethylhexyl) phthalate	<1000		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Bromophenyl phenyl ether	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Butyl benzyl phthalate	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Carbazole	<1000		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Chloroaniline	<1000		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Chloro-3-methylphenol	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Chloronaphthalene	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Chlorophenol	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Chlorophenyl phenyl ether	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Chrysene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Dibenz(a,h)anthracene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Dibenzofuran	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
3,3'-Dichlorobenzidine	<10000		10000		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,4-Dichlorophenol	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Diethyl phthalate	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,4-Dimethylphenol	2300		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
Dimethyl phthalate	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Di-n-butyl phthalate	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
4,6-Dinitro-2-methylphenol	<2500		2500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,4-Dinitrophenol	<5000		5000		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,4-Dinitrotoluene	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,6-Dinitrotoluene	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Di-n-octyl phthalate	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Fluoranthene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Fluorene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Hexachlorobenzene	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Hexachlorobutadiene	<500 *		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Hexachlorocyclopentadiene	<1000		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
Hexachloroethane	<500 *		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Indeno[1,2,3-cd]pyrene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Isophorone	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Methylnaphthalene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Methylphenol	1700		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
3 & 4 Methylphenol	4500		1000		ug/L	06/09/14 16:07	06/19/14 20:43		500
Naphthalene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Nitroaniline	<2500		2500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Nitroaniline	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
3-Nitroaniline	<2500		2500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Nitrobenzene	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
2-Nitrophenol	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
4-Nitrophenol	<2500		2500		ug/L	06/09/14 16:07	06/19/14 20:43		500
N-Nitrosodi-n-propylamine	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
N-Nitrosodiphenylamine	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Pentachlorophenol	<2500		2500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Phenanthrene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
Phenol	640		500		ug/L	06/09/14 16:07	06/19/14 20:43		500
Pyrene	<100		100		ug/L	06/09/14 16:07	06/19/14 20:43		500
2,4,5-Trichlorophenol	<500		500		ug/L	06/09/14 16:07	06/19/14 20:43		500

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW13
Date Collected: 06/04/14 10:22
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<500		500		ug/L		06/09/14 16:07	06/19/14 20:43	500
Surrogate									
2-Fluorobiphenyl	0	D	34 - 130				06/09/14 16:07	06/19/14 20:43	500
2-Fluorophenol (Surr)	0	D	25 - 130				06/09/14 16:07	06/19/14 20:43	500
Nitrobenzene-d5 (Surr)	0	D	32 - 130				06/09/14 16:07	06/19/14 20:43	500
Phenol-d5 (Surr)	0	D	27 - 130				06/09/14 16:07	06/19/14 20:43	500
Terphenyl-d14 (Surr)	0	D	36 - 130				06/09/14 16:07	06/19/14 20:43	500
2,4,6-Tribromophenol (Surr)	0	D	30 - 130				06/09/14 16:07	06/19/14 20:43	500

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:24	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:24	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007

Date Collected: 06/04/14 12:05

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 17:41	1
Benzene	1.4		1.0		ug/L			06/13/14 17:41	1
Bromoform	<1.0		1.0		ug/L			06/13/14 17:41	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 17:41	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 17:41	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 17:41	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 17:41	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 17:41	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 17:41	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 17:41	1
Chloroform	<1.0		1.0		ug/L			06/13/14 17:41	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 17:41	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 17:41	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 17:41	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 17:41	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 17:41	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 17:41	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 17:41	1
Ethylbenzene	1.2		1.0		ug/L			06/13/14 17:41	1
2-Hexanone	<10		10		ug/L			06/13/14 17:41	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 17:41	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 17:41	1
Styrene	<1.0		1.0		ug/L			06/13/14 17:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 17:41	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 17:41	1
Toluene	<1.0		1.0		ug/L			06/13/14 17:41	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 17:41	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 17:41	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 17:41	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 17:41	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 17:41	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 17:41	1
Xylenes, Total	2.9		2.0		ug/L			06/13/14 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		70 - 130					06/13/14 17:41	1
Dibromofluoromethane	109		70 - 130					06/13/14 17:41	1
Toluene-d8 (Surr)	110		70 - 130					06/13/14 17:41	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Acenaphthylene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Anthracene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Benzo[a]anthracene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Benzo[a]pyrene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		06/09/14 16:07	06/23/14 16:59	1
Bis(2-chloroethoxy)methane	<0.97		0.97		ug/L		06/09/14 16:07	06/23/14 16:59	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007
Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Bis(2-ethylhexyl) phthalate	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Bromophenyl phenyl ether	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Butyl benzyl phthalate	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Carbazole	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Chloroaniline	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Chloro-3-methylphenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Chloronaphthalene	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Chlorophenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Chlorophenyl phenyl ether	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Chrysene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Dibenzofuran	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
3,3'-Dichlorobenzidine	<19		19		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,4-Dichlorophenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Diethyl phthalate	3.0		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,4-Dimethylphenol	16		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
Dimethyl phthalate	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Di-n-butyl phthalate	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,4-Dinitrophenol	<9.7		9.7		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,4-Dinitrotoluene	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,6-Dinitrotoluene	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Di-n-octyl phthalate	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Fluoranthene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Fluorene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Hexachlorobenzene	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Hexachlorobutadiene	<0.97 *		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Hexachlorocyclopentadiene	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
Hexachloroethane	<0.97 *		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Isophorone	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Methylnaphthalene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Methylphenol	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
3 & 4 Methylphenol	<1.9		1.9		ug/L	06/09/14 16:07	06/23/14 16:59		1
Naphthalene	1.4		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Nitroaniline	<4.8		4.8		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Nitroaniline	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
3-Nitroaniline	<4.8		4.8		ug/L	06/09/14 16:07	06/23/14 16:59		1
Nitrobenzene	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
2-Nitrophenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
4-Nitrophenol	<4.8		4.8		ug/L	06/09/14 16:07	06/23/14 16:59		1
N-Nitrosodi-n-propylamine	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
N-Nitrosodiphenylamine	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Pentachlorophenol	<4.8		4.8		ug/L	06/09/14 16:07	06/23/14 16:59		1
Phenanthrene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
Phenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1
Pyrene	<0.19		0.19		ug/L	06/09/14 16:07	06/23/14 16:59		1
2,4,5-Trichlorophenol	<0.97		0.97		ug/L	06/09/14 16:07	06/23/14 16:59		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007
Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.97		0.97		ug/L		06/09/14 16:07	06/23/14 16:59	1
Surrogate									
2-Fluorobiphenyl	61		34 - 130				06/09/14 16:07	06/23/14 16:59	1
2-Fluorophenol (Surr)	66		25 - 130				06/09/14 16:07	06/23/14 16:59	1
Nitrobenzene-d5 (Surr)	79		32 - 130				06/09/14 16:07	06/23/14 16:59	1
Phenol-d5 (Surr)	69		27 - 130				06/09/14 16:07	06/23/14 16:59	1
Terphenyl-d14 (Surr)	54		36 - 130				06/09/14 16:07	06/23/14 16:59	1
2,4,6-Tribromophenol (Surr)	82		30 - 130				06/09/14 16:07	06/23/14 16:59	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:28	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:28	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007D

Date Collected: 06/04/14 12:05

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 17:20	1
Benzene	1.6		1.0		ug/L			06/13/14 17:20	1
Bromoform	<1.0		1.0		ug/L			06/13/14 17:20	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 17:20	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 17:20	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 17:20	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 17:20	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 17:20	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 17:20	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 17:20	1
Chloroform	<1.0		1.0		ug/L			06/13/14 17:20	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 17:20	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 17:20	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 17:20	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 17:20	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 17:20	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 17:20	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 17:20	1
Ethylbenzene	1.2		1.0		ug/L			06/13/14 17:20	1
2-Hexanone	<10		10		ug/L			06/13/14 17:20	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 17:20	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 17:20	1
Styrene	<1.0		1.0		ug/L			06/13/14 17:20	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 17:20	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 17:20	1
Toluene	<1.0		1.0		ug/L			06/13/14 17:20	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 17:20	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 17:20	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 17:20	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 17:20	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 17:20	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 17:20	1
Xylenes, Total	3.0		2.0		ug/L			06/13/14 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		70 - 130					06/13/14 17:20	1
Dibromofluoromethane	106		70 - 130					06/13/14 17:20	1
Toluene-d8 (Surr)	111		70 - 130					06/13/14 17:20	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 17:48	1
Bis(2-chloroethoxy)methane	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 17:48	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007D
Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Bromophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Butyl benzyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Chloronaphthalene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Chlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Chlorophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Dibenzofuran	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,4-Dichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Diethyl phthalate	5.3		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,4-Dimethylphenol	13		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
Dimethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Di-n-butyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,4-Dinitrophenol	<9.8		9.8		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,4-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,6-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Di-n-octyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Hexachlorobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Hexachlorobutadiene	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
Hexachloroethane	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Isophorone	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 17:48		1
Naphthalene	1.2		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Nitroaniline	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
3-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 17:48		1
Nitrobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
2-Nitrophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
4-Nitrophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 17:48		1
N-Nitrosodi-n-propylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
N-Nitrosodiphenylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Pentachlorophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 17:48		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
Phenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 17:48		1
2,4,5-Trichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 17:48		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE007D
Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		34 - 130				06/09/14 16:07	06/23/14 17:48	1
2-Fluorophenol (Surr)	76		25 - 130				06/09/14 16:07	06/23/14 17:48	1
Nitrobenzene-d5 (Surr)	88		32 - 130				06/09/14 16:07	06/23/14 17:48	1
Phenol-d5 (Surr)	78		27 - 130				06/09/14 16:07	06/23/14 17:48	1
Terphenyl-d14 (Surr)	55		36 - 130				06/09/14 16:07	06/23/14 17:48	1
2,4,6-Tribromophenol (Surr)	95		30 - 130				06/09/14 16:07	06/23/14 17:48	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 22:32	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 22:32	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE004

Date Collected: 06/04/14 14:23

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 16:59	1
Benzene	<1.0		1.0		ug/L			06/13/14 16:59	1
Bromoform	<1.0		1.0		ug/L			06/13/14 16:59	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 16:59	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 16:59	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 16:59	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 16:59	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 16:59	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 16:59	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 16:59	1
Chloroform	<1.0		1.0		ug/L			06/13/14 16:59	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 16:59	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 16:59	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 16:59	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 16:59	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 16:59	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 16:59	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 16:59	1
Ethylbenzene	<1.0		1.0		ug/L			06/13/14 16:59	1
2-Hexanone	<10		10		ug/L			06/13/14 16:59	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 16:59	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 16:59	1
Styrene	<1.0		1.0		ug/L			06/13/14 16:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 16:59	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 16:59	1
Toluene	<1.0		1.0		ug/L			06/13/14 16:59	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 16:59	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 16:59	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 16:59	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 16:59	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 16:59	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 16:59	1
Xylenes, Total	<2.0		2.0		ug/L			06/13/14 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		70 - 130					06/13/14 16:59	1
Dibromofluoromethane	111		70 - 130					06/13/14 16:59	1
Toluene-d8 (Surr)	110		70 - 130					06/13/14 16:59	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/23/14 18:37	1
Bis(2-chloroethoxy)methane	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 18:37	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE004
Date Collected: 06/04/14 14:23
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Bromophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Butyl benzyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Chloronaphthalene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Chlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Chlorophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Dibenzofuran	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,4-Dichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Diethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
Dimethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Di-n-butyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,4-Dinitrophenol	<9.8		9.8		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,4-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,6-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Di-n-octyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Hexachlorobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Hexachlorobutadiene	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
Hexachloroethane	<0.98 *		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Isophorone	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/23/14 18:37		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Nitroaniline	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
3-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 18:37		1
Nitrobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
2-Nitrophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
4-Nitrophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 18:37		1
N-Nitrosodi-n-propylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
N-Nitrosodiphenylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Pentachlorophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/23/14 18:37		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
Phenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/23/14 18:37		1
2,4,5-Trichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/23/14 18:37		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE004
Date Collected: 06/04/14 14:23
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		06/09/14 16:07	06/23/14 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		34 - 130				06/09/14 16:07	06/23/14 18:37	1
2-Fluorophenol (Surr)	68		25 - 130				06/09/14 16:07	06/23/14 18:37	1
Nitrobenzene-d5 (Surr)	77		32 - 130				06/09/14 16:07	06/23/14 18:37	1
Phenol-d5 (Surr)	72		27 - 130				06/09/14 16:07	06/23/14 18:37	1
Terphenyl-d14 (Surr)	64		36 - 130				06/09/14 16:07	06/23/14 18:37	1
2,4,6-Tribromophenol (Surr)	81		30 - 130				06/09/14 16:07	06/23/14 18:37	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/11/14 10:03	06/12/14 03:42	1
Chromium	<10		10		ug/L		06/11/14 10:03	06/12/14 03:42	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE002

Date Collected: 06/04/14 15:53

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 16:37	1
Benzene	<1.0		1.0		ug/L			06/13/14 16:37	1
Bromoform	<1.0		1.0		ug/L			06/13/14 16:37	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 16:37	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 16:37	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 16:37	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 16:37	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 16:37	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 16:37	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 16:37	1
Chloroform	<1.0		1.0		ug/L			06/13/14 16:37	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 16:37	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 16:37	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 16:37	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 16:37	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 16:37	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 16:37	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 16:37	1
Ethylbenzene	<1.0		1.0		ug/L			06/13/14 16:37	1
2-Hexanone	<10		10		ug/L			06/13/14 16:37	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 16:37	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 16:37	1
Styrene	<1.0		1.0		ug/L			06/13/14 16:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 16:37	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 16:37	1
Toluene	<1.0		1.0		ug/L			06/13/14 16:37	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 16:37	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 16:37	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 16:37	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 16:37	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 16:37	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 16:37	1
Xylenes, Total	<2.0		2.0		ug/L			06/13/14 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		70 - 130					06/13/14 16:37	1
Dibromofluoromethane	110		70 - 130					06/13/14 16:37	1
Toluene-d8 (Surr)	110		70 - 130					06/13/14 16:37	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.41		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Anthracene	0.24		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/19/14 22:21	1
Bis(2-chloroethoxy)methane	<0.98		0.98		ug/L		06/09/14 16:07	06/19/14 22:21	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE002
Date Collected: 06/04/14 15:53
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Bromophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Butyl benzyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Carbazole	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Chloroaniline	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Chloronaphthalene	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Chlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Chlorophenyl phenyl ether	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Chrysene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Dibenzofuran	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,4-Dichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Diethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
Dimethyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Di-n-butyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,4-Dinitrophenol	<9.8		9.8		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,4-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,6-Dinitrotoluene	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Di-n-octyl phthalate	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Fluoranthene	1.7		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Fluorene	0.48		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Hexachlorobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Hexachlorobutadiene	<0.98 *		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
Hexachloroethane	<0.98 *		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Isophorone	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/19/14 22:21		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Nitroaniline	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
3-Nitroaniline	<4.9		4.9		ug/L	06/09/14 16:07	06/19/14 22:21		1
Nitrobenzene	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
2-Nitrophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
4-Nitrophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/19/14 22:21		1
N-Nitrosodi-n-propylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
N-Nitrosodiphenylamine	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Pentachlorophenol	<4.9		4.9		ug/L	06/09/14 16:07	06/19/14 22:21		1
Phenanthrene	3.1		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
Phenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1
Pyrene	0.84		0.20		ug/L	06/09/14 16:07	06/19/14 22:21		1
2,4,5-Trichlorophenol	<0.98		0.98		ug/L	06/09/14 16:07	06/19/14 22:21		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE002
Date Collected: 06/04/14 15:53
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		06/09/14 16:07	06/19/14 22:21	1
Surrogate									
2-Fluorobiphenyl	74		34 - 130				06/09/14 16:07	06/19/14 22:21	1
2-Fluorophenol (Surr)	71		25 - 130				06/09/14 16:07	06/19/14 22:21	1
Nitrobenzene-d5 (Surr)	73		32 - 130				06/09/14 16:07	06/19/14 22:21	1
Phenol-d5 (Surr)	70		27 - 130				06/09/14 16:07	06/19/14 22:21	1
Terphenyl-d14 (Surr)	60		36 - 130				06/09/14 16:07	06/19/14 22:21	1
2,4,6-Tribromophenol (Surr)	82		30 - 130				06/09/14 16:07	06/19/14 22:21	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/11/14 10:03	06/12/14 03:46	1
Chromium	<10		10		ug/L		06/11/14 10:03	06/12/14 03:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW14

Date Collected: 06/04/14 17:55

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<130		130		ug/L			06/13/14 16:16	5
Benzene	35		5.0		ug/L			06/13/14 16:16	5
Bromoform	<5.0		5.0		ug/L			06/13/14 16:16	5
Bromomethane	<25		25		ug/L			06/13/14 16:16	5
2-Butanone (MEK)	<50		50		ug/L			06/13/14 16:16	5
Carbon disulfide	<10		10		ug/L			06/13/14 16:16	5
Carbon tetrachloride	<5.0		5.0		ug/L			06/13/14 16:16	5
Chlorobenzene	<5.0		5.0		ug/L			06/13/14 16:16	5
Chlorodibromomethane	<5.0		5.0		ug/L			06/13/14 16:16	5
Chloroethane	<25 *		25		ug/L			06/13/14 16:16	5
Chloroform	<5.0		5.0		ug/L			06/13/14 16:16	5
Chloromethane	<5.0		5.0		ug/L			06/13/14 16:16	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			06/13/14 16:16	5
Dichlorobromomethane	<5.0		5.0		ug/L			06/13/14 16:16	5
1,1-Dichloroethane	<5.0		5.0		ug/L			06/13/14 16:16	5
1,2-Dichloroethane	<5.0		5.0		ug/L			06/13/14 16:16	5
1,1-Dichloroethene	<5.0		5.0		ug/L			06/13/14 16:16	5
1,2-Dichloropropane	<5.0		5.0		ug/L			06/13/14 16:16	5
Ethylbenzene	120		5.0		ug/L			06/13/14 16:16	5
2-Hexanone	<50		50		ug/L			06/13/14 16:16	5
Methylene Chloride	<25		25		ug/L			06/13/14 16:16	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			06/13/14 16:16	5
Styrene	8.8		5.0		ug/L			06/13/14 16:16	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			06/13/14 16:16	5
Tetrachloroethene	<5.0		5.0		ug/L			06/13/14 16:16	5
Toluene	470		5.0		ug/L			06/13/14 16:16	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			06/13/14 16:16	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			06/13/14 16:16	5
1,1,1-Trichloroethane	<5.0		5.0		ug/L			06/13/14 16:16	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			06/13/14 16:16	5
Trichloroethene	<5.0		5.0		ug/L			06/13/14 16:16	5
Vinyl chloride	<5.0		5.0		ug/L			06/13/14 16:16	5
Xylenes, Total	360		10		ug/L			06/13/14 16:16	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130					06/13/14 16:16	5
Dibromofluoromethane	99		70 - 130					06/13/14 16:16	5
Toluene-d8 (Surr)	112		70 - 130					06/13/14 16:16	5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Acenaphthylene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Anthracene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Benzo[a]anthracene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Benzo[a]pyrene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Benzo[b]fluoranthene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Benzo[g,h,i]perylene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Benzo[k]fluoranthene	<20		20		ug/L		06/09/14 16:07	06/19/14 22:45	100
Bis(2-chloroethoxy)methane	<98		98		ug/L		06/09/14 16:07	06/19/14 22:45	100

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW14
Date Collected: 06/04/14 17:55
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Bis(2-ethylhexyl) phthalate	<200		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Bromophenyl phenyl ether	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Butyl benzyl phthalate	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Carbazole	<200		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Chloroaniline	<200		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Chloro-3-methylphenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Chloronaphthalene	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Chlorophenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Chlorophenyl phenyl ether	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Chrysene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Dibenz(a,h)anthracene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Dibenzofuran	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
3,3'-Dichlorobenzidine	<2000		2000		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,4-Dichlorophenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Diethyl phthalate	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,4-Dimethylphenol	1000		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
Dimethyl phthalate	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Di-n-butyl phthalate	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
4,6-Dinitro-2-methylphenol	<490		490		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,4-Dinitrophenol	<980		980		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,4-Dinitrotoluene	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,6-Dinitrotoluene	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Di-n-octyl phthalate	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Fluoranthene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Fluorene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Hexachlorobenzene	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Hexachlorobutadiene	<98 *		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Hexachlorocyclopentadiene	<200		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
Hexachloroethane	<98 *		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Indeno[1,2,3-cd]pyrene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Isophorone	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Methylnaphthalene	45		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Methylphenol	240		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
3 & 4 Methylphenol	<200		200		ug/L	06/09/14 16:07	06/19/14 22:45		100
Naphthalene	120		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Nitroaniline	<490		490		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Nitroaniline	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
3-Nitroaniline	<490		490		ug/L	06/09/14 16:07	06/19/14 22:45		100
Nitrobenzene	140		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
2-Nitrophenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
4-Nitrophenol	<490		490		ug/L	06/09/14 16:07	06/19/14 22:45		100
N-Nitrosodi-n-propylamine	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
N-Nitrosodiphenylamine	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Pentachlorophenol	<490		490		ug/L	06/09/14 16:07	06/19/14 22:45		100
Phenanthrene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
Phenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100
Pyrene	<20		20		ug/L	06/09/14 16:07	06/19/14 22:45		100
2,4,5-Trichlorophenol	<98		98		ug/L	06/09/14 16:07	06/19/14 22:45		100

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW14

Lab Sample ID: 680-102073-10

Date Collected: 06/04/14 17:55

Matrix: Water

Date Received: 06/06/14 10:01

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<98		98		ug/L		06/09/14 16:07	06/19/14 22:45	100
Surrogate									
2-Fluorobiphenyl	0	D	34 - 130				06/09/14 16:07	06/19/14 22:45	100
2-Fluorophenol (Surr)	0	D	25 - 130				06/09/14 16:07	06/19/14 22:45	100
Nitrobenzene-d5 (Surr)	0	D	32 - 130				06/09/14 16:07	06/19/14 22:45	100
Phenol-d5 (Surr)	0	D	27 - 130				06/09/14 16:07	06/19/14 22:45	100
Terphenyl-d14 (Surr)	0	D	36 - 130				06/09/14 16:07	06/19/14 22:45	100
2,4,6-Tribromophenol (Surr)	0	D	30 - 130				06/09/14 16:07	06/19/14 22:45	100

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		06/11/14 10:03	06/12/14 03:59	1
Chromium	<10		10		ug/L		06/11/14 10:03	06/12/14 03:59	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 680-102073-11

Matrix: Water

Date Collected: 06/05/14 09:05

Date Received: 06/06/14 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 12:44	1
Benzene	<1.0		1.0		ug/L			06/13/14 12:44	1
Bromoform	<1.0		1.0		ug/L			06/13/14 12:44	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 12:44	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 12:44	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 12:44	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 12:44	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 12:44	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 12:44	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 12:44	1
Chloroform	<1.0		1.0		ug/L			06/13/14 12:44	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 12:44	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 12:44	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 12:44	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 12:44	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 12:44	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 12:44	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 12:44	1
Ethylbenzene	<1.0		1.0		ug/L			06/13/14 12:44	1
2-Hexanone	<10		10		ug/L			06/13/14 12:44	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 12:44	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 12:44	1
Styrene	<1.0		1.0		ug/L			06/13/14 12:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 12:44	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 12:44	1
Toluene	<1.0		1.0		ug/L			06/13/14 12:44	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 12:44	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 12:44	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 12:44	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 12:44	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 12:44	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 12:44	1
Xylenes, Total	<2.0		2.0		ug/L			06/13/14 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		06/13/14 12:44	1
Dibromofluoromethane	110		70 - 130		06/13/14 12:44	1
Toluene-d8 (Surr)	109		70 - 130		06/13/14 12:44	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: TRIP BLANK

Date Collected: 06/05/14 00:00

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			06/13/14 12:23	1
Benzene	<1.0		1.0		ug/L			06/13/14 12:23	1
Bromoform	<1.0		1.0		ug/L			06/13/14 12:23	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 12:23	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 12:23	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 12:23	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 12:23	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 12:23	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 12:23	1
Chloroethane	<5.0 *		5.0		ug/L			06/13/14 12:23	1
Chloroform	<1.0		1.0		ug/L			06/13/14 12:23	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 12:23	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 12:23	1
Dichlorobromomethane	<1.0		1.0		ug/L			06/13/14 12:23	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/13/14 12:23	1
1,2-Dichloroethane	<1.0		1.0		ug/L			06/13/14 12:23	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/13/14 12:23	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/13/14 12:23	1
Ethylbenzene	<1.0		1.0		ug/L			06/13/14 12:23	1
2-Hexanone	<10		10		ug/L			06/13/14 12:23	1
Methylene Chloride	<5.0		5.0		ug/L			06/13/14 12:23	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			06/13/14 12:23	1
Styrene	<1.0		1.0		ug/L			06/13/14 12:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/13/14 12:23	1
Tetrachloroethene	<1.0		1.0		ug/L			06/13/14 12:23	1
Toluene	<1.0		1.0		ug/L			06/13/14 12:23	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/13/14 12:23	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			06/13/14 12:23	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/13/14 12:23	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/13/14 12:23	1
Trichloroethene	<1.0		1.0		ug/L			06/13/14 12:23	1
Vinyl chloride	<1.0		1.0		ug/L			06/13/14 12:23	1
Xylenes, Total	<2.0		2.0		ug/L			06/13/14 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		06/13/14 12:23	1
Dibromofluoromethane	108		70 - 130		06/13/14 12:23	1
Toluene-d8 (Surr)	110		70 - 130		06/13/14 12:23	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: MB 680-334029/9

Matrix: Water

Analysis Batch: 334029

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Acetone	<25				25		ug/L			06/13/14 12:15	1
Benzene	<1.0				1.0		ug/L			06/13/14 12:15	1
Bromoform	<1.0				1.0		ug/L			06/13/14 12:15	1
Bromomethane	<5.0				5.0		ug/L			06/13/14 12:15	1
2-Butanone (MEK)	<10				10		ug/L			06/13/14 12:15	1
Carbon disulfide	<2.0				2.0		ug/L			06/13/14 12:15	1
Carbon tetrachloride	<1.0				1.0		ug/L			06/13/14 12:15	1
Chlorobenzene	<1.0				1.0		ug/L			06/13/14 12:15	1
Chlorodibromomethane	<1.0				1.0		ug/L			06/13/14 12:15	1
Chloroethane	<5.0				5.0		ug/L			06/13/14 12:15	1
Chloroform	<1.0				1.0		ug/L			06/13/14 12:15	1
Chloromethane	<1.0				1.0		ug/L			06/13/14 12:15	1
cis-1,3-Dichloropropene	<1.0				1.0		ug/L			06/13/14 12:15	1
Dichlorobromomethane	<1.0				1.0		ug/L			06/13/14 12:15	1
1,1-Dichloroethane	<1.0				1.0		ug/L			06/13/14 12:15	1
1,2-Dichloroethane	<1.0				1.0		ug/L			06/13/14 12:15	1
1,1-Dichloroethene	<1.0				1.0		ug/L			06/13/14 12:15	1
1,2-Dichloropropane	<1.0				1.0		ug/L			06/13/14 12:15	1
Ethylbenzene	<1.0				1.0		ug/L			06/13/14 12:15	1
2-Hexanone	<10				10		ug/L			06/13/14 12:15	1
Methylene Chloride	<5.0				5.0		ug/L			06/13/14 12:15	1
4-Methyl-2-pentanone (MIBK)	<10				10		ug/L			06/13/14 12:15	1
Styrene	<1.0				1.0		ug/L			06/13/14 12:15	1
1,1,2,2-Tetrachloroethane	<1.0				1.0		ug/L			06/13/14 12:15	1
Tetrachloroethene	<1.0				1.0		ug/L			06/13/14 12:15	1
Toluene	<1.0				1.0		ug/L			06/13/14 12:15	1
trans-1,2-Dichloroethene	<1.0				1.0		ug/L			06/13/14 12:15	1
trans-1,3-Dichloropropene	<1.0				1.0		ug/L			06/13/14 12:15	1
1,1,1-Trichloroethane	<1.0				1.0		ug/L			06/13/14 12:15	1
1,1,2-Trichloroethane	<1.0				1.0		ug/L			06/13/14 12:15	1
Trichloroethene	<1.0				1.0		ug/L			06/13/14 12:15	1
Vinyl chloride	<1.0				1.0		ug/L			06/13/14 12:15	1
Xylenes, Total	<2.0				2.0		ug/L			06/13/14 12:15	1

MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Bromofluorobenzene	103		103		70 - 130			06/13/14 12:15	1
Dibromofluoromethane	105		105		70 - 130			06/13/14 12:15	1
Toluene-d8 (Surr)	105		105		70 - 130			06/13/14 12:15	1

Lab Sample ID: LCS 680-334029/5

Matrix: Water

Analysis Batch: 334029

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits	
	Added									
Acetone	100		91.5			ug/L		91	39 - 162	
Benzene	50.0		53.6			ug/L		107	74 - 123	
Bromoform	50.0		50.4			ug/L		101	60 - 134	
Bromomethane	50.0		37.0			ug/L		74	10 - 171	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: LCS 680-334029/5

Matrix: Water

Analysis Batch: 334029

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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
2-Butanone (MEK)	100	88.3		ug/L		88	55 - 142
Carbon disulfide	50.0	56.5		ug/L		113	63 - 142
Carbon tetrachloride	50.0	58.9		ug/L		118	70 - 131
Chlorobenzene	50.0	52.5		ug/L		105	79 - 120
Chlorodibromomethane	50.0	55.3		ug/L		111	63 - 134
Chloroethane	50.0	66.7		ug/L		133	47 - 148
Chloroform	50.0	52.6		ug/L		105	76 - 128
Chloromethane	50.0	63.2		ug/L		126	47 - 151
cis-1,3-Dichloropropene	50.0	54.6		ug/L		109	73 - 128
Dichlorobromomethane	50.0	55.8		ug/L		112	72 - 129
1,1-Dichloroethane	50.0	53.8		ug/L		108	69 - 132
1,2-Dichloroethane	50.0	52.4		ug/L		105	75 - 120
1,1-Dichloroethene	50.0	56.9		ug/L		114	73 - 134
1,2-Dichloropropane	50.0	52.8		ug/L		106	71 - 126
Ethylbenzene	50.0	52.5		ug/L		105	78 - 125
2-Hexanone	100	97.4		ug/L		97	52 - 149
Methylene Chloride	50.0	53.9		ug/L		108	79 - 124
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	51 - 143
Styrene	50.0	54.3		ug/L		109	75 - 129
1,1,2,2-Tetrachloroethane	50.0	53.5		ug/L		107	71 - 127
Tetrachloroethene	50.0	53.4		ug/L		107	77 - 128
Toluene	50.0	53.7		ug/L		107	77 - 125
trans-1,2-Dichloroethene	50.0	51.2		ug/L		102	78 - 130
trans-1,3-Dichloropropene	50.0	56.5		ug/L		113	72 - 127
1,1,1-Trichloroethane	50.0	56.2		ug/L		112	76 - 126
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	69 - 127
Trichloroethene	50.0	51.6		ug/L		103	80 - 120
Vinyl chloride	50.0	52.9		ug/L		106	58 - 141
Xylenes, Total	150	163		ug/L		109	80 - 124

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: LCSD 680-334029/7

Matrix: Water

Analysis Batch: 334029

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

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.	RPD	RPD	Limit
		Result	Qualifier							
Acetone	100	96.4		ug/L		96	39 - 162	5	50	
Benzene	50.0	53.5		ug/L		107	74 - 123	0	30	
Bromoform	50.0	49.5		ug/L		99	60 - 134	2	30	
Bromomethane	50.0	37.5		ug/L		75	10 - 171	2	50	
2-Butanone (MEK)	100	93.9		ug/L		94	55 - 142	6	30	
Carbon disulfide	50.0	55.6		ug/L		111	63 - 142	2	30	
Carbon tetrachloride	50.0	58.4		ug/L		117	70 - 131	1	30	
Chlorobenzene	50.0	52.3		ug/L		105	79 - 120	0	30	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: LCSD 680-334029/7

Matrix: Water

Analysis Batch: 334029

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
Chlorodibromomethane	50.0	55.3		ug/L	111	63 - 134		0	50
Chloroethane	50.0	66.4		ug/L	133	47 - 148		1	40
Chloroform	50.0	51.5		ug/L	103	76 - 128		2	30
Chloromethane	50.0	64.0		ug/L	128	47 - 151		1	30
cis-1,3-Dichloropropene	50.0	53.9		ug/L	108	73 - 128		1	30
Dichlorobromomethane	50.0	54.9		ug/L	110	72 - 129		2	30
1,1-Dichloroethane	50.0	52.5		ug/L	105	69 - 132		2	30
1,2-Dichloroethane	50.0	52.1		ug/L	104	75 - 120		1	30
1,1-Dichloroethene	50.0	55.0		ug/L	110	73 - 134		3	30
1,2-Dichloropropane	50.0	53.0		ug/L	106	71 - 126		0	30
Ethylbenzene	50.0	52.6		ug/L	105	78 - 125		0	30
2-Hexanone	100	101		ug/L	101	52 - 149		4	30
Methylene Chloride	50.0	52.4		ug/L	105	79 - 124		3	30
4-Methyl-2-pentanone (MIBK)	100	105		ug/L	105	51 - 143		3	30
Styrene	50.0	54.7		ug/L	109	75 - 129		1	30
1,1,2,2-Tetrachloroethane	50.0	53.4		ug/L	107	71 - 127		0	30
Tetrachloroethene	50.0	53.3		ug/L	107	77 - 128		0	30
Toluene	50.0	53.8		ug/L	108	77 - 125		0	30
trans-1,2-Dichloroethene	50.0	52.6		ug/L	105	78 - 130		3	30
trans-1,3-Dichloropropene	50.0	57.1		ug/L	114	72 - 127		1	50
1,1,1-Trichloroethane	50.0	56.0		ug/L	112	76 - 126		0	30
1,1,2-Trichloroethane	50.0	50.2		ug/L	100	69 - 127		0	30
Trichloroethene	50.0	51.6		ug/L	103	80 - 120		0	30
Vinyl chloride	50.0	52.6		ug/L	105	58 - 141		0	30
Xylenes, Total	150	166		ug/L	110	80 - 124		2	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	108		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: MB 680-334033/9

Matrix: Water

Analysis Batch: 334033

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			06/13/14 11:40	1
Benzene	<1.0		1.0		ug/L			06/13/14 11:40	1
Bromoform	<1.0		1.0		ug/L			06/13/14 11:40	1
Bromomethane	<5.0		5.0		ug/L			06/13/14 11:40	1
2-Butanone (MEK)	<10		10		ug/L			06/13/14 11:40	1
Carbon disulfide	<2.0		2.0		ug/L			06/13/14 11:40	1
Carbon tetrachloride	<1.0		1.0		ug/L			06/13/14 11:40	1
Chlorobenzene	<1.0		1.0		ug/L			06/13/14 11:40	1
Chlorodibromomethane	<1.0		1.0		ug/L			06/13/14 11:40	1
Chloroethane	<5.0		5.0		ug/L			06/13/14 11:40	1
Chloroform	<1.0		1.0		ug/L			06/13/14 11:40	1
Chloromethane	<1.0		1.0		ug/L			06/13/14 11:40	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: MB 680-334033/9

Matrix: Water

Analysis Batch: 334033

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

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<1.0				1.0		ug/L			06/13/14 11:40	1
Dichlorobromomethane	<1.0				1.0		ug/L			06/13/14 11:40	1
1,1-Dichloroethane	<1.0				1.0		ug/L			06/13/14 11:40	1
1,2-Dichloroethane	<1.0				1.0		ug/L			06/13/14 11:40	1
1,1-Dichloroethene	<1.0				1.0		ug/L			06/13/14 11:40	1
1,2-Dichloropropane	<1.0				1.0		ug/L			06/13/14 11:40	1
Ethylbenzene	<1.0				1.0		ug/L			06/13/14 11:40	1
2-Hexanone	<10				10		ug/L			06/13/14 11:40	1
Methylene Chloride	<5.0				5.0		ug/L			06/13/14 11:40	1
4-Methyl-2-pentanone (MIBK)	<10				10		ug/L			06/13/14 11:40	1
Styrene	<1.0				1.0		ug/L			06/13/14 11:40	1
1,1,2,2-Tetrachloroethane	<1.0				1.0		ug/L			06/13/14 11:40	1
Tetrachloroethene	<1.0				1.0		ug/L			06/13/14 11:40	1
Toluene	<1.0				1.0		ug/L			06/13/14 11:40	1
trans-1,2-Dichloroethene	<1.0				1.0		ug/L			06/13/14 11:40	1
trans-1,3-Dichloropropene	<1.0				1.0		ug/L			06/13/14 11:40	1
1,1,1-Trichloroethane	<1.0				1.0		ug/L			06/13/14 11:40	1
1,1,2-Trichloroethane	<1.0				1.0		ug/L			06/13/14 11:40	1
Trichloroethene	<1.0				1.0		ug/L			06/13/14 11:40	1
Vinyl chloride	<1.0				1.0		ug/L			06/13/14 11:40	1
Xylenes, Total	<2.0				2.0		ug/L			06/13/14 11:40	1

MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		93		70 - 130			1
Dibromofluoromethane	109		109		70 - 130			1
Toluene-d8 (Surrogate)	108		108		70 - 130			1

Lab Sample ID: LCS 680-334033/5

Matrix: Water

Analysis Batch: 334033

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

Analyte	Spike	LCS			%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acetone	100	102		ug/L		102	39 - 162
Benzene	50.0	56.5		ug/L		113	74 - 123
Bromoform	50.0	49.8		ug/L		100	60 - 134
Bromomethane	50.0	57.1		ug/L		114	10 - 171
2-Butanone (MEK)	100	102		ug/L		102	55 - 142
Carbon disulfide	50.0	55.9		ug/L		112	63 - 142
Carbon tetrachloride	50.0	53.2		ug/L		106	70 - 131
Chlorobenzene	50.0	53.5		ug/L		107	79 - 120
Chlorodibromomethane	50.0	52.5		ug/L		105	63 - 134
Chloroethane	50.0	84.5	*	ug/L		169	47 - 148
Chloroform	50.0	54.0		ug/L		108	76 - 128
Chloromethane	50.0	41.5		ug/L		83	47 - 151
cis-1,3-Dichloropropene	50.0	55.3		ug/L		111	73 - 128
Dichlorobromomethane	50.0	54.4		ug/L		109	72 - 129
1,1-Dichloroethane	50.0	57.5		ug/L		115	69 - 132
1,2-Dichloroethane	50.0	53.3		ug/L		107	75 - 120

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: LCS 680-334033/5

Matrix: Water

Analysis Batch: 334033

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

Analyte	Spike	LCS			Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier						
1,1-Dichloroethene	50.0	57.0		ug/L		114	73 - 134		
1,2-Dichloropropane	50.0	55.2		ug/L		110	71 - 126		
Ethylbenzene	50.0	56.7		ug/L		113	78 - 125		
2-Hexanone	100	109		ug/L		109	52 - 149		
Methylene Chloride	50.0	54.8		ug/L		110	79 - 124		
4-Methyl-2-pentanone (MIBK)	100	109		ug/L		109	51 - 143		
Styrene	50.0	55.0		ug/L		110	75 - 129		
1,1,2,2-Tetrachloroethane	50.0	54.5		ug/L		109	71 - 127		
Tetrachloroethene	50.0	52.5		ug/L		105	77 - 128		
Toluene	50.0	55.2		ug/L		110	77 - 125		
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	78 - 130		
trans-1,3-Dichloropropene	50.0	54.0		ug/L		108	72 - 127		
1,1,1-Trichloroethane	50.0	50.7		ug/L		101	76 - 126		
1,1,2-Trichloroethane	50.0	52.8		ug/L		106	69 - 127		
Trichloroethene	50.0	51.4		ug/L		103	80 - 120		
Vinyl chloride	50.0	51.7		ug/L		103	58 - 141		
Xylenes, Total	150	166		ug/L		111	80 - 124		

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: LCSD 680-334033/7

Matrix: Water

Analysis Batch: 334033

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

Analyte	Spike	LCSD			Unit	D	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier							
Acetone	100	94.2		ug/L		94	39 - 162		8	50
Benzene	50.0	56.3		ug/L		113	74 - 123		0	30
Bromoform	50.0	49.3		ug/L		99	60 - 134		1	30
Bromomethane	50.0	51.2		ug/L		102	10 - 171		11	50
2-Butanone (MEK)	100	98.5		ug/L		98	55 - 142		4	30
Carbon disulfide	50.0	55.8		ug/L		112	63 - 142		0	30
Carbon tetrachloride	50.0	53.4		ug/L		107	70 - 131		0	30
Chlorobenzene	50.0	53.4		ug/L		107	79 - 120		0	30
Chlorodibromomethane	50.0	51.8		ug/L		104	63 - 134		1	50
Chloroethane	50.0	83.4 *		ug/L		167	47 - 148		1	40
Chloroform	50.0	54.3		ug/L		109	76 - 128		1	30
Chloromethane	50.0	47.8		ug/L		96	47 - 151		14	30
cis-1,3-Dichloropropene	50.0	55.6		ug/L		111	73 - 128		1	30
Dichlorobromomethane	50.0	53.6		ug/L		107	72 - 129		1	30
1,1-Dichloroethane	50.0	57.8		ug/L		116	69 - 132		1	30
1,2-Dichloroethane	50.0	54.1		ug/L		108	75 - 120		1	30
1,1-Dichloroethene	50.0	54.4		ug/L		109	73 - 134		5	30
1,2-Dichloropropane	50.0	55.1		ug/L		110	71 - 126		0	30
Ethylbenzene	50.0	55.2		ug/L		110	78 - 125		3	30
2-Hexanone	100	108		ug/L		108	52 - 149		1	30

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

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

Lab Sample ID: LCSD 680-334033/7

Matrix: Water

Analysis Batch: 334033

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.		RPD	RPD Limit
	Added	Result	Qualifier				109	79 - 124		
Methylene Chloride	50.0	54.4		ug/L			109	79 - 124	1	30
4-Methyl-2-pentanone (MIBK)	100	109		ug/L			109	51 - 143	0	30
Styrene	50.0	54.8		ug/L			110	75 - 129	0	30
1,1,2,2-Tetrachloroethane	50.0	54.5		ug/L			109	71 - 127	0	30
Tetrachloroethene	50.0	50.6		ug/L			101	77 - 128	4	30
Toluene	50.0	55.1		ug/L			110	77 - 125	0	30
trans-1,2-Dichloroethene	50.0	54.7		ug/L			109	78 - 130	0	30
trans-1,3-Dichloropropene	50.0	54.3		ug/L			109	72 - 127	1	50
1,1,1-Trichloroethane	50.0	50.0		ug/L			100	76 - 126	1	30
1,1,2-Trichloroethane	50.0	52.8		ug/L			106	69 - 127	0	30
Trichloroethene	50.0	51.0		ug/L			102	80 - 120	1	30
Vinyl chloride	50.0	62.0		ug/L			124	58 - 141	18	30
Xylenes, Total	150	165		ug/L			110	80 - 124	1	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-333124/12-A

Matrix: Water

Analysis Batch: 334899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 333124

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Acenaphthylene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Bis(2-chloroethoxy)methane	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
Bis(2-chloroethyl)ether	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
Bis(2-ethylhexyl) phthalate	<2.0		2.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
4-Bromophenyl phenyl ether	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
Butyl benzyl phthalate	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
Carbazole	<2.0		2.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
4-Chloroaniline	<2.0		2.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
4-Chloro-3-methylphenol	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
2-Chloronaphthalene	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
2-Chlorophenol	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
4-Chlorophenyl phenyl ether	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1
Chrysene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Dibenzo(a,h)anthracene	<0.20		0.20		ug/L		06/09/14 16:07	06/18/14 17:35	1
Dibenzofuran	<1.0		1.0		ug/L		06/09/14 16:07	06/18/14 17:35	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-333124/12-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 334899

Prep Batch: 333124

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	<20		20		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4-Dichlorophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Diethyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4-Dimethylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Dimethyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Di-n-butyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4-Dinitrophenol	<10		10		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4-Dinitrotoluene	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,6-Dinitrotoluene	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Di-n-octyl phthalate	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Fluoranthene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
Fluorene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
Hexachlorobenzene	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Hexachlorobutadiene	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Hexachlorocyclopentadiene	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Hexachloroethane	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
Isophorone	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2-Methylnaphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
2-Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
3 & 4 Methylphenol	<2.0		2.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Naphthalene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
4-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2-Nitroaniline	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
3-Nitroaniline	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Nitrobenzene	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2-Nitrophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
4-Nitrophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
N-Nitrosodi-n-propylamine	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
N-Nitrosodiphenylamine	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Pentachlorophenol	<5.0		5.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Phenanthrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
Phenol	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
Pyrene	<0.20		0.20		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4,5-Trichlorophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1
2,4,6-Trichlorophenol	<1.0		1.0		ug/L	06/09/14 16:07	06/18/14 17:35		1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		34 - 130	06/09/14 16:07	06/18/14 17:35	1
2-Fluorophenol (Surr)	81		25 - 130	06/09/14 16:07	06/18/14 17:35	1
Nitrobenzene-d5 (Surr)	85		32 - 130	06/09/14 16:07	06/18/14 17:35	1
Phenol-d5 (Surr)	76		27 - 130	06/09/14 16:07	06/18/14 17:35	1
Terphenyl-d14 (Surr)	82		36 - 130	06/09/14 16:07	06/18/14 17:35	1
2,4,6-Tribromophenol (Surr)	89		30 - 130	06/09/14 16:07	06/18/14 17:35	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-333124/13-A

Matrix: Water

Analysis Batch: 334899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 333124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	10.0	7.60		ug/L	76	42 - 130	
Acenaphthylene	10.0	7.58		ug/L	76	45 - 130	
Anthracene	10.0	9.44		ug/L	94	58 - 130	
Benzo[a]anthracene	10.0	10.3		ug/L	103	42 - 143	
Benzo[a]pyrene	10.0	8.85		ug/L	89	45 - 151	
Benzo[b]fluoranthene	10.0	9.11		ug/L	91	41 - 140	
Benzo[g,h,i]perylene	10.0	9.26		ug/L	93	27 - 134	
Benzo[k]fluoranthene	10.0	9.06		ug/L	91	45 - 140	
Bis(2-chloroethoxy)methane	10.0	8.76		ug/L	88	47 - 130	
Bis(2-chloroethyl)ether	10.0	8.56		ug/L	86	36 - 130	
Bis(2-ethylhexyl) phthalate	10.0	11.5		ug/L	115	10 - 158	
4-Bromophenyl phenyl ether	10.0	8.61		ug/L	86	44 - 130	
Butyl benzyl phthalate	10.0	9.62		ug/L	96	60 - 130	
Carbazole	10.0	9.23		ug/L	92	19 - 191	
4-Chloroaniline	10.0	7.29		ug/L	73	17 - 130	
4-Chloro-3-methylphenol	10.0	9.40		ug/L	94	54 - 130	
2-Chloronaphthalene	10.0	6.39		ug/L	64	48 - 130	
2-Chlorophenol	10.0	8.45		ug/L	85	45 - 130	
4-Chlorophenyl phenyl ether	10.0	8.08		ug/L	81	52 - 130	
Chrysene	10.0	9.08		ug/L	91	40 - 142	
Dibenz(a,h)anthracene	10.0	8.73		ug/L	87	38 - 130	
Dibenzofuran	10.0	7.60		ug/L	76	56 - 130	
3,3'-Dichlorobenzidine	30.0	36.1	E	ug/L	120	10 - 158	
2,4-Dichlorophenol	10.0	8.51		ug/L	85	58 - 130	
Diethyl phthalate	10.0	8.89		ug/L	89	60 - 130	
2,4-Dimethylphenol	10.0	8.51		ug/L	85	41 - 130	
Dimethyl phthalate	10.0	9.03		ug/L	90	58 - 130	
Di-n-butyl phthalate	10.0	10.5		ug/L	105	59 - 130	
4,6-Dinitro-2-methylphenol	20.0	18.4		ug/L	92	10 - 182	
2,4-Dinitrophenol	20.0	15.2		ug/L	76	10 - 200	
2,4-Dinitrotoluene	10.0	8.91		ug/L	89	57 - 130	
2,6-Dinitrotoluene	10.0	8.46		ug/L	85	53 - 130	
Di-n-octyl phthalate	10.0	10.7		ug/L	107	19 - 130	
Fluoranthene	10.0	9.68		ug/L	97	46 - 136	
Fluorene	10.0	8.91		ug/L	89	48 - 130	
Hexachlorobenzene	10.0	9.04		ug/L	90	49 - 130	
Hexachlorobutadiene	10.0	3.22	*	ug/L	32	36 - 130	
Hexachlorocyclopentadiene	10.0	2.35		ug/L	23	16 - 130	
Hexachloroethane	10.0	3.11	*	ug/L	31	32 - 130	
Indeno[1,2,3-cd]pyrene	10.0	8.73		ug/L	87	12 - 130	
Isophorone	10.0	8.79		ug/L	88	45 - 130	
2-Methylnaphthalene	10.0	5.82		ug/L	58	51 - 130	
2-Methylphenol	10.0	8.79		ug/L	88	49 - 130	
3 & 4 Methylphenol	10.0	8.58		ug/L	86	55 - 130	
Naphthalene	10.0	6.65		ug/L	66	35 - 130	
4-Nitroaniline	10.0	9.01		ug/L	90	31 - 147	
2-Nitroaniline	10.0	8.77		ug/L	88	48 - 130	
3-Nitroaniline	10.0	8.40		ug/L	84	18 - 147	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-333124/13-A

Matrix: Water

Analysis Batch: 334899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 333124

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Nitrobenzene	10.0	8.46		ug/L		85	45 - 130
2-Nitrophenol	10.0	8.11		ug/L		81	49 - 130
4-Nitrophenol	20.0	18.6		ug/L		93	36 - 132
N-Nitrosodi-n-propylamine	10.0	8.38		ug/L		84	42 - 130
N-Nitrosodiphenylamine	10.0	9.26		ug/L		93	38 - 130
Pentachlorophenol	20.0	18.3		ug/L		91	12 - 156
Phenanthrene	10.0	9.52		ug/L		95	45 - 134
Phenol	10.0	7.65		ug/L		77	44 - 130
Pyrene	10.0	8.41		ug/L		84	47 - 143
2,4,5-Trichlorophenol	10.0	8.40		ug/L		84	61 - 130
2,4,6-Trichlorophenol	10.0	8.19		ug/L		82	61 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	82		34 - 130
2-Fluorophenol (Surr)	91		25 - 130
Nitrobenzene-d5 (Surr)	91		32 - 130
Phenol-d5 (Surr)	89		27 - 130
Terphenyl-d14 (Surr)	92		36 - 130
2,4,6-Tribromophenol (Surr)	94		30 - 130

Lab Sample ID: 680-102073-1 MS

Matrix: Water

Analysis Batch: 334899

Client Sample ID: ITW1

Prep Type: Total/NA

Prep Batch: 333124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	<0.20		9.97	7.87		ug/L		79	42 - 130
Acenaphthylene	<0.20		9.97	8.44		ug/L		85	45 - 130
Anthracene	<0.20		9.97	9.48		ug/L		95	58 - 130
Benzo[a]anthracene	<0.20		9.97	10.1		ug/L		101	42 - 143
Benzo[a]pyrene	<0.20		9.97	8.54		ug/L		86	45 - 151
Benzo[b]fluoranthene	<0.20		9.97	10.0		ug/L		101	41 - 140
Benzo[g,h,i]perylene	<0.20		9.97	10.1		ug/L		101	27 - 134
Benzo[k]fluoranthene	<0.20		9.97	9.27		ug/L		93	45 - 140
Bis(2-chloroethoxy)methane	<0.99		9.97	8.40		ug/L		84	47 - 130
Bis(2-chloroethyl)ether	<0.99		9.97	7.78		ug/L		78	36 - 130
Bis(2-ethylhexyl) phthalate	<2.0		9.97	12.2		ug/L		123	10 - 158
4-Bromophenyl phenyl ether	<0.99		9.97	8.59		ug/L		86	44 - 130
Butyl benzyl phthalate	<0.99		9.97	10.2		ug/L		102	60 - 130
Carbazole	<2.0		9.97	10.2		ug/L		102	19 - 191
4-Chloroaniline	<2.0		9.97	6.56		ug/L		66	17 - 130
4-Chloro-3-methylphenol	<0.99		9.97	9.12		ug/L		91	54 - 130
2-Chloronaphthalene	<0.99		9.97	7.06		ug/L		71	48 - 130
2-Chlorophenol	<0.99		9.97	7.78		ug/L		78	45 - 130
4-Chlorophenyl phenyl ether	<0.99		9.97	8.31		ug/L		83	52 - 130
Chrysene	<0.20		9.97	8.90		ug/L		89	40 - 142
Dibenz(a,h)anthracene	<0.20		9.97	9.23		ug/L		93	38 - 130
Dibenzofuran	<0.99		9.97	8.48		ug/L		85	56 - 130
3,3'-Dichlorobenzidine	<20		29.9	<20		ug/L		55	10 - 158

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-102073-1 MS

Matrix: Water

Analysis Batch: 334899

Client Sample ID: ITW1

Prep Type: Total/NA

Prep Batch: 333124

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier					
2,4-Dichlorophenol	<0.99		9.97	8.39		ug/L		84	58 - 130	
Diethyl phthalate	<0.99		9.97	9.65		ug/L		97	60 - 130	
2,4-Dimethylphenol	<2.0		9.97	8.17		ug/L		82	41 - 130	
Dimethyl phthalate	<0.99		9.97	9.74		ug/L		98	58 - 130	
Di-n-butyl phthalate	<0.99		9.97	10.6		ug/L		107	59 - 130	
4,6-Dinitro-2-methylphenol	<5.0		19.9	20.3		ug/L		102	10 - 182	
2,4-Dinitrophenol	<9.9		19.9	18.9		ug/L		95	10 - 200	
2,4-Dinitrotoluene	<0.99		9.97	9.88		ug/L		99	57 - 130	
2,6-Dinitrotoluene	<0.99		9.97	9.15		ug/L		92	53 - 130	
Di-n-octyl phthalate	<0.99		9.97	12.1		ug/L		121	19 - 130	
Fluoranthene	<0.20		9.97	10.2		ug/L		103	46 - 136	
Fluorene	<0.20		9.97	9.40		ug/L		94	48 - 130	
Hexachlorobenzene	<0.99		9.97	8.59		ug/L		86	49 - 130	
Hexachlorobutadiene	<0.99 *		9.97	2.64 F1		ug/L		26	36 - 130	
Hexachlorocyclopentadiene	<2.0		9.97	<2.0		ug/L		19	16 - 130	
Hexachloroethane	<0.99 *		9.97	2.64 F1		ug/L		27	32 - 130	
Indeno[1,2,3-cd]pyrene	<0.20		9.97	9.24		ug/L		93	12 - 130	
Isophorone	<0.99		9.97	8.28		ug/L		83	45 - 130	
2-Methylnaphthalene	<0.20		9.97	6.45		ug/L		65	51 - 130	
2-Methylphenol	<2.0		9.97	8.50		ug/L		85	49 - 130	
3 & 4 Methylphenol	<2.0		9.97	8.23		ug/L		83	55 - 130	
Naphthalene	<0.20		9.97	6.92		ug/L		69	35 - 130	
4-Nitroaniline	<5.0		9.97	9.02		ug/L		90	31 - 147	
2-Nitroaniline	<0.99		9.97	8.85		ug/L		89	48 - 130	
3-Nitroaniline	<5.0		9.97	7.84		ug/L		79	18 - 147	
Nitrobenzene	<0.99		9.97	8.14		ug/L		82	45 - 130	
2-Nitrophenol	<0.99		9.97	8.00		ug/L		80	49 - 130	
4-Nitrophenol	<5.0		19.9	20.5		ug/L		103	36 - 132	
N-Nitrosodi-n-propylamine	<0.99		9.97	8.19		ug/L		82	42 - 130	
N-Nitrosodiphenylamine	<0.99		9.97	8.81		ug/L		88	38 - 130	
Pentachlorophenol	<5.0		19.9	19.6		ug/L		98	12 - 156	
Phenanthrene	<0.20		9.97	9.33		ug/L		94	45 - 134	
Phenol	<0.99		9.97	7.30		ug/L		73	44 - 130	
Pyrene	<0.20		9.97	8.43		ug/L		85	47 - 143	
2,4,5-Trichlorophenol	<0.99		9.97	9.29		ug/L		93	61 - 130	
2,4,6-Trichlorophenol	<0.99		9.97	9.05		ug/L		91	61 - 130	
Surrogate										
	MS	MS	%Recovery	Qualifier	Limits					
2-Fluorobiphenyl	73				34 - 130					
2-Fluorophenol (Surr)	72				25 - 130					
Nitrobenzene-d5 (Surr)	78				32 - 130					
Phenol-d5 (Surr)	74				27 - 130					
Terphenyl-d14 (Surr)	81				36 - 130					
2,4,6-Tribromophenol (Surr)	91				30 - 130					

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-102073-1 MSD										Client Sample ID: ITW1			
Matrix: Water										Prep Type: Total/NA			
Analysis Batch: 334899										Prep Batch: 333124			
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit	Limit
Acenaphthene	<0.20		9.57	6.66		ug/L	70	42 - 130	17	50			
Acenaphthylene	<0.20		9.57	6.94		ug/L	73	45 - 130	19	50			
Anthracene	<0.20		9.57	8.60		ug/L	90	58 - 130	10	50			
Benzo[a]anthracene	<0.20		9.57	9.26		ug/L	97	42 - 143	8	50			
Benzo[a]pyrene	<0.20		9.57	7.77		ug/L	81	45 - 151	9	50			
Benzo[b]fluoranthene	<0.20		9.57	9.05		ug/L	95	41 - 140	10	50			
Benzo[g,h,i]perylene	<0.20		9.57	8.23		ug/L	86	27 - 134	20	50			
Benzo[k]fluoranthene	<0.20		9.57	7.99		ug/L	83	45 - 140	15	50			
Bis(2-chloroethoxy)methane	<0.99		9.57	7.45		ug/L	78	47 - 130	12	50			
Bis(2-chloroethyl)ether	<0.99		9.57	6.75		ug/L	70	36 - 130	14	50			
Bis(2-ethylhexyl) phthalate	<2.0		9.57	10.1		ug/L	105	10 - 158	20	50			
4-Bromophenyl phenyl ether	<0.99		9.57	8.30		ug/L	87	44 - 130	3	50			
Butyl benzyl phthalate	<0.99		9.57	9.66		ug/L	101	60 - 130	6	50			
Carbazole	<2.0		9.57	9.30		ug/L	97	19 - 191	9	50			
4-Chloroaniline	<2.0		9.57	5.51		ug/L	58	17 - 130	17	50			
4-Chloro-3-methylphenol	<0.99		9.57	7.95		ug/L	83	54 - 130	14	50			
2-Chloronaphthalene	<0.99		9.57	5.91		ug/L	62	48 - 130	18	50			
2-Chlorophenol	<0.99		9.57	6.65		ug/L	69	45 - 130	16	50			
4-Chlorophenyl phenyl ether	<0.99		9.57	6.88		ug/L	72	52 - 130	19	50			
Chrysene	<0.20		9.57	7.95		ug/L	83	40 - 142	11	50			
Dibenz(a,h)anthracene	<0.20		9.57	6.99		ug/L	73	38 - 130	28	50			
Dibenzofuran	<0.99		9.57	6.80		ug/L	71	56 - 130	22	50			
3,3'-Dichlorobenzidine	<20		28.7	<19		ug/L	51	10 - 158	11	50			
2,4-Dichlorophenol	<0.99		9.57	7.33		ug/L	77	58 - 130	13	50			
Diethyl phthalate	<0.99		9.57	7.69		ug/L	80	60 - 130	23	50			
2,4-Dimethylphenol	<2.0		9.57	7.12		ug/L	74	41 - 130	14	50			
Dimethyl phthalate	<0.99		9.57	8.16		ug/L	85	58 - 130	18	50			
Di-n-butyl phthalate	<0.99		9.57	9.59		ug/L	100	59 - 130	10	50			
4,6-Dinitro-2-methylphenol	<5.0		19.1	18.4		ug/L	96	10 - 182	10	50			
2,4-Dinitrophenol	<9.9		19.1	14.1		ug/L	74	10 - 200	29	50			
2,4-Dinitrotoluene	<0.99		9.57	8.10		ug/L	85	57 - 130	20	50			
2,6-Dinitrotoluene	<0.99		9.57	7.90		ug/L	82	53 - 130	15	50			
Di-n-octyl phthalate	<0.99		9.57	9.59		ug/L	100	19 - 130	23	50			
Fluoranthene	<0.20		9.57	8.48		ug/L	89	46 - 136	19	50			
Fluorene	<0.20		9.57	7.38		ug/L	77	48 - 130	24	50			
Hexachlorobenzene	<0.99		9.57	8.11		ug/L	85	49 - 130	6	50			
Hexachlorobutadiene	<0.99 *		9.57	2.15 F1		ug/L	23	36 - 130	20	50			
Hexachlorocyclopentadiene	<2.0		9.57	<1.9 F1		ug/L	14	16 - 130	36	50			
Hexachloroethane	<0.99 *		9.57	2.08 F1		ug/L	22	32 - 130	24	50			
Indeno[1,2,3-cd]pyrene	<0.20		9.57	6.63		ug/L	69	12 - 130	33	50			
Isophorone	<0.99		9.57	7.78		ug/L	81	45 - 130	6	50			
2-Methylnaphthalene	<0.20		9.57	5.38		ug/L	56	51 - 130	18	50			
2-Methylphenol	<2.0		9.57	7.26		ug/L	76	49 - 130	16	50			
3 & 4 Methylphenol	<2.0		9.57	6.95		ug/L	73	55 - 130	17	50			
Naphthalene	<0.20		9.57	6.34		ug/L	66	35 - 130	9	50			
4-Nitroaniline	<5.0		9.57	7.18		ug/L	75	31 - 147	23	50			
2-Nitroaniline	<0.99		9.57	7.73		ug/L	81	48 - 130	14	50			
3-Nitroaniline	<5.0		9.57	7.15		ug/L	75	18 - 147	9	50			

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-102073-1 MSD

Matrix: Water

Analysis Batch: 334899

Client Sample ID: ITW1

Prep Type: Total/NA

Prep Batch: 333124

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Nitrobenzene	<0.99		9.57	7.73		ug/L		81	45 - 130	5	50	
2-Nitrophenol	<0.99		9.57	7.38		ug/L		77	49 - 130	8	50	
4-Nitrophenol	<5.0		19.1	17.5		ug/L		91	36 - 132	16	50	
N-Nitrosodi-n-propylamine	<0.99		9.57	6.52		ug/L		68	42 - 130	23	50	
N-Nitrosodiphenylamine	<0.99		9.57	8.47		ug/L		88	38 - 130	4	50	
Pentachlorophenol	<5.0		19.1	18.1		ug/L		94	12 - 156	8	50	
Phenanthrene	<0.20		9.57	8.33		ug/L		87	45 - 134	11	50	
Phenol	<0.99		9.57	6.16		ug/L		64	44 - 130	17	50	
Pyrene	<0.20		9.57	8.60		ug/L		90	47 - 143	2	50	
2,4,5-Trichlorophenol	<0.99		9.57	8.44		ug/L		88	61 - 130	10	50	
2,4,6-Trichlorophenol	<0.99		9.57	8.17		ug/L		85	61 - 130	10	50	

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	74		34 - 130
2-Fluorophenol (Surr)	68		25 - 130
Nitrobenzene-d5 (Surr)	77		32 - 130
Phenol-d5 (Surr)	67		27 - 130
Terphenyl-d14 (Surr)	84		36 - 130
2,4,6-Tribromophenol (Surr)	79		30 - 130

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-333412/1-A

Matrix: Water

Analysis Batch: 333775

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 333412

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<20		20		ug/L		06/10/14 13:55	06/11/14 21:28	1
Chromium	<10		10		ug/L		06/10/14 13:55	06/11/14 21:28	1

Lab Sample ID: LCS 680-333412/2-A

Matrix: Water

Analysis Batch: 333775

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 333412

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Arsenic	100	98.4		ug/L		98	75 - 125
Chromium	100	101		ug/L		101	75 - 125

Lab Sample ID: MB 680-333574/1-A

Matrix: Water

Analysis Batch: 333775

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 333574

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<20		20		ug/L		06/11/14 10:03	06/12/14 03:11	1
Chromium	<10		10		ug/L		06/11/14 10:03	06/12/14 03:11	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-333574/2-A

Matrix: Water

Analysis Batch: 333775

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 333574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	%Rec.
Arsenic	100	101		ug/L		101	75 - 125
Chromium	100	102		ug/L		102	75 - 125

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

GC/MS VOA

Analysis Batch: 334029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-1	ITW1	Total/NA	Water	8260B	
680-102073-2	ITW2	Total/NA	Water	8260B	
LCS 680-334029/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-334029/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-334029/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 334033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-3	WMW17E	Total/NA	Water	8260B	
680-102073-4	WMW18E	Total/NA	Water	8260B	
680-102073-5	ITW13	Total/NA	Water	8260B	
680-102073-6	ESE007	Total/NA	Water	8260B	
680-102073-7	ESE007D	Total/NA	Water	8260B	
680-102073-8	ESE004	Total/NA	Water	8260B	
680-102073-9	ESE002	Total/NA	Water	8260B	
680-102073-10	ITW14	Total/NA	Water	8260B	
680-102073-11	EQUIPMENT BLANK	Total/NA	Water	8260B	
680-102073-12	TRIP BLANK	Total/NA	Water	8260B	
LCS 680-334033/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-334033/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-334033/9	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 333124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-1	ITW1	Total/NA	Water	3520C	
680-102073-1 MS	ITW1	Total/NA	Water	3520C	
680-102073-1 MSD	ITW1	Total/NA	Water	3520C	
680-102073-2	ITW2	Total/NA	Water	3520C	
680-102073-3	WMW17E	Total/NA	Water	3520C	
680-102073-4	WMW18E	Total/NA	Water	3520C	
680-102073-5	ITW13	Total/NA	Water	3520C	
680-102073-6	ESE007	Total/NA	Water	3520C	
680-102073-7	ESE007D	Total/NA	Water	3520C	
680-102073-8	ESE004	Total/NA	Water	3520C	
680-102073-9	ESE002	Total/NA	Water	3520C	
680-102073-10	ITW14	Total/NA	Water	3520C	
LCS 680-333124/13-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-333124/12-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 334899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-1	ITW1	Total/NA	Water	8270D LL	333124
680-102073-1 MS	ITW1	Total/NA	Water	8270D LL	333124
680-102073-1 MSD	ITW1	Total/NA	Water	8270D LL	333124
LCS 680-333124/13-A	Lab Control Sample	Total/NA	Water	8270D LL	333124
MB 680-333124/12-A	Method Blank	Total/NA	Water	8270D LL	333124

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

GC/MS Semi VOA (Continued)

Analysis Batch: 335108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-2	ITW2	Total/NA	Water	8270D LL	333124
680-102073-5	ITW13	Total/NA	Water	8270D LL	333124
680-102073-9	ESE002	Total/NA	Water	8270D LL	333124
680-102073-10	ITW14	Total/NA	Water	8270D LL	333124

Analysis Batch: 335666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-3	WMW17E	Total/NA	Water	8270D LL	333124
680-102073-4	WMW18E	Total/NA	Water	8270D LL	333124
680-102073-6	ESE007	Total/NA	Water	8270D LL	333124
680-102073-7	ESE007D	Total/NA	Water	8270D LL	333124
680-102073-8	ESE004	Total/NA	Water	8270D LL	333124

Metals

Prep Batch: 333412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-1	ITW1	Total Recoverable	Water	3005A	
680-102073-2	ITW2	Total Recoverable	Water	3005A	
680-102073-3	WMW17E	Total Recoverable	Water	3005A	
680-102073-4	WMW18E	Total Recoverable	Water	3005A	
680-102073-5	ITW13	Total Recoverable	Water	3005A	
680-102073-6	ESE007	Total Recoverable	Water	3005A	
680-102073-7	ESE007D	Total Recoverable	Water	3005A	
LCS 680-333412/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-333412/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 333574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-8	ESE004	Total Recoverable	Water	3005A	
680-102073-9	ESE002	Total Recoverable	Water	3005A	
680-102073-10	ITW14	Total Recoverable	Water	3005A	
LCS 680-333574/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-333574/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 333775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102073-1	ITW1	Total Recoverable	Water	6010C	333412
680-102073-2	ITW2	Total Recoverable	Water	6010C	333412
680-102073-3	WMW17E	Total Recoverable	Water	6010C	333412
680-102073-4	WMW18E	Total Recoverable	Water	6010C	333412
680-102073-5	ITW13	Total Recoverable	Water	6010C	333412
680-102073-6	ESE007	Total Recoverable	Water	6010C	333412
680-102073-7	ESE007D	Total Recoverable	Water	6010C	333412
680-102073-8	ESE004	Total Recoverable	Water	6010C	333574
680-102073-9	ESE002	Total Recoverable	Water	6010C	333574
680-102073-10	ITW14	Total Recoverable	Water	6010C	333574
LCS 680-333412/2-A	Lab Control Sample	Total Recoverable	Water	6010C	333412
LCS 680-333574/2-A	Lab Control Sample	Total Recoverable	Water	6010C	333574
MB 680-333412/1-A	Method Blank	Total Recoverable	Water	6010C	333412

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Metals (Continued)

Analysis Batch: 333775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-333574/1-A	Method Blank	Total Recoverable	Water	6010C	333574

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Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW1

Date Collected: 06/03/14 16:50

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334029	06/13/14 13:36	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	334899	06/18/14 19:13	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:07	BCB	TAL SAV

Client Sample ID: ITW2

Date Collected: 06/03/14 17:40

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334029	06/13/14 13:09	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335108	06/19/14 19:30	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:11	BCB	TAL SAV

Client Sample ID: WMW17E

Date Collected: 06/03/14 18:42

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 18:45	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335666	06/23/14 16:10	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:15	BCB	TAL SAV

Client Sample ID: WMW18E

Date Collected: 06/03/14 19:50

Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 18:24	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335666	06/23/14 16:35	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:19	BCB	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ITW13

Date Collected: 06/04/14 10:22
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	334033	06/13/14 18:02	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		500	335108	06/19/14 20:43	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:24	BCB	TAL SAV

Client Sample ID: ESE007

Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 17:41	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335666	06/23/14 16:59	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:28	BCB	TAL SAV

Client Sample ID: ESE007D

Date Collected: 06/04/14 12:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 17:20	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335666	06/23/14 17:48	JLW	TAL SAV
Total Recoverable	Prep	3005A			333412	06/10/14 13:55	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/11/14 22:32	BCB	TAL SAV

Client Sample ID: ESE004

Date Collected: 06/04/14 14:23
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 16:59	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335666	06/23/14 18:37	JLW	TAL SAV
Total Recoverable	Prep	3005A			333574	06/11/14 10:03	SP	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/12/14 03:42	BCB	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Client Sample ID: ESE002

Date Collected: 06/04/14 15:53
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 16:37	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	335108	06/19/14 22:21	JLW	TAL SAV
Total Recoverable	Prep	3005A			333574	06/11/14 10:03	SP	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/12/14 03:46	BCB	TAL SAV

Client Sample ID: ITW14

Date Collected: 06/04/14 17:55
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	334033	06/13/14 16:16	MMT	TAL SAV
Total/NA	Prep	3520C			333124	06/09/14 16:07	RBS	TAL SAV
Total/NA	Analysis	8270D LL		100	335108	06/19/14 22:45	JLW	TAL SAV
Total Recoverable	Prep	3005A			333574	06/11/14 10:03	SP	TAL SAV
Total Recoverable	Analysis	6010C		1	333775	06/12/14 03:59	BCB	TAL SAV

Client Sample ID: EQUIPMENT BLANK

Date Collected: 06/05/14 09:05
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 12:44	MMT	TAL SAV

Client Sample ID: TRIP BLANK

Date Collected: 06/05/14 00:00
Date Received: 06/06/14 10:01

Lab Sample ID: 680-102073-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	334033	06/13/14 12:23	MMT	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES		PAGE	OF	
Supplemental Hawthorne Investigation		05791.004.010	Gainesville Fl	CONTRACT NO.			1	1	
TESTAMERICA (LAB) PROJECT MANAGER		PO. NUMBER							
Lisa Harvey		85303							
CLIENT (SITE) P/M	CLIENT PHONE		CLIENT FAX						
Mark Taylor	904-261-3085		904-281-5972						
CLIENT NAME	CLIENT EMAIL								
Weston Solutions, Inc.		mark.taylor@westonsolutions.com							
CLIENT ADDRESS									
COMPANY CONTRACTING THIS WORK (if applicable)									
SAMPLE	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED			REMARKS			
DATE	TIME		3	2	1				
6/3/14	16:50	THICK							
		ETHYL							
1740									
1342		W/MW 17E							
1950		W/MW 18E							
6/4/14	10:22	TBW 13							
1205		ESSE DPP							
1205		ESSE AB67D							
1423		ESSE DPP							
1553		ESSE DPP							
1755		TBW 14							
6/5/14	09:05	OUNT MONT BLANK							
		TEFL BLANK							
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RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	
<i>[Signature]</i>	6/5/14	10:30							
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	
<i>[Signature]</i>			<i>[Signature]</i>			<i>[Signature]</i>			
RECEIVED FOR LABORATORY BY:	DATE	TIME	CUSTODY INTACT	CUSTODY	SAVANNAH	LABORATORY REMARKS:			
<i>[Signature]</i>	6/4/14	10:01	YES	<i>[Signature]</i>	LOG NO.				
(SIGNATURE)			NO		680-102073				
LABORATORY USE ONLY									
9/25/2014									

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-102073-1

Login Number: 102073

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot, Quarterly

TestAmerica Job ID: 680-102073-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E87052	06-30-15

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APPENDIX C

SUMMARY OF PRE-REMEDIAL ACTION GROUNDWATER DATA EASTERN SITE GAINESVILLE, FLORIDA

APPENDIX C

**Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida**

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-1	Chromium	110	60.4	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ITW-2	Chromium	100	124	39	NS	ND	NS	ND	NS	8	NS	ND	NS	ND	NS	*100
ITW-3	Chromium	40	NS	11	10	24	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
ITW-4	Chromium	110	45.1	10	9	27	ND	ND	NS	7	ND	ND	ND	23	ND	*100
	Naphthalene	40	35	30	27	17	27	31	NS	5.8	25	58	81	46	25	18
	Acenaphthylene	ND	<1.0	11	13	ND	ND	17	NS	ND	16	7.7	13	8	5.7	130
	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	2	3.5	ND	ND	260
	Benzene	140	ND	20	52	20	24	11	NS	21	20	26	25	9.2	8	1
ITW-5	Chromium	<140	47.1	42	NS	26	8	14	26	5	ND	ND	6	6	5	*100
	Arsenic	73	NS	56	NS	65	43	45	48	45	38	34	50	43	46	50
	PCP	30	120	300	NS	980	690	1,500	890	730	1,100	580	550	440	ND	0.1
	Phenol	ND	65	30	NS	750	990	2,600	2,000	1,850	2,600	1,200	900	700	1,200	2,630
	Naphthalene	1,600	1,000	500	NS	860	2,700	1,300	1,200	900	1,500	1,600	1,600	1,500	670	18
	Acenaphthylene	18	12	44	NS	ND	48	ND	34	69	59	73	74	100	20	130
	Acenaphthene	370	540	ND	NS	190	ND	440	ND	ND	220	460	530	610	320	260
	Fluorene	340	210	180	NS	ND	ND	ND	330	300	320	380	470	450	240	323
	Phenanthrene	290	280	160	NS	ND	130	ND	ND	210	280	300	380	320	200	130
	Anthracene	25	17	12	NS	ND	ND	ND	ND	ND	29	22	31	20	15	1,310
	Benzene	<10	ND	4.8	NS	4.3	4.4	4.7	5	0.8	4.1	4.6	ND	5.7	4.6	1

The data presented in this table represents only those compounds that have been detected above detection limit in groundwater samples from the indicated wells.

(1) Please see Table 6 of Remedial Investigation Report, Cabot Carbon/Koppers Site Vol. 1 (IT Corp., 1987) for analytical detection limits of individual compounds.

(2) Please see Appendix B of Remedial Investigation/Risk Assessment at the Cabot Carbon/Koppers Site, Gainesville, Florida Vol. 3 (Hunter/ESE, 1989).

(3) Please see individual groundwater report for analytical detection limits of compounds for different sampling events.

All results are in µg/L.

µg/L = micrograms per liter.

MDL = laboratory method detection limit.

ND = not detected above the MDL.

NS = not sampled for indicated compound.

* The new EPA MCL for chromium is 100 µg/L. As per the ROD, this new MCL replaces the previous cleanup goals of 50 µg/L.

** Cleanup goal for indicated compound has not been established.

+ Analytical results from January 1994 are suspect. Past groundwater data review indicates sample bottles may have been mislabeled.

++ Sampled only for BTEX constituents.

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-6	Chromium	170	NS	170	110	NS	NS	NS	NS	NS	NS	7	NS	NS	NS	*100
	Naphthalene	1,700	NS	1,100	580	NS	NS	NS	NS	NS	NS	450	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	11	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	90	NS	NS	NS	260
	Fluorene	200	NS	73	ND	NS	NS	NS	NS	NS	NS	83	NS	NS	NS	323
	Phenanthrene	32	NS	19	ND	NS	NS	NS	NS	NS	NS	28	NS	NS	NS	130
	Anthracene	<10	NS	2	ND	NS	NS	NS	NS	NS	NS	2	NS	NS	NS	1,310
	Benzene	<10	NS	1.2	1.5	NS	NS	NS	NS	NS	NS	1	NS	NS	NS	1
ITW-7	Chromium	280	NS	110	82	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	23	NS	57	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Acenaphthylene	10	NS	ND	11	NS	NS	NS	NS	NS	NS	7.4	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	2.7	NS	NS	NS	260
	Fluorene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	3.3	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.4	NS	NS	NS	130
	Anthracene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.4	NS	NS	NS	1,310
	Total Potentially Carcinogenic PAHs	ND	NS	0.8	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	0.003
ITW-8	Benzene	25	NS	14	12	NS	NS	NS	NS	NS	NS	16	NS	NS	NS	1
	Chromium	80	NS	7	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	1	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Phenol	890	NS	720	NS	NS	NS	NS	NS	NS	NS	350	NS	NS	NS	2,630
	Naphthalene	48	NS	15	NS	NS	NS	NS	NS	NS	NS	8.2	NS	NS	NS	18
	Acenaphthylene	ND	NS	73	NS	NS	NS	NS	NS	NS	NS	100	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	22	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	1.2	NS	NS	NS	323
ITW-9	Benzene	40	NS	ND	NS	NS	NS	NS	NS	47	NS	31	NS	NS	NS	1
	Chromium	170	NS	14	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	4	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Naphthalene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	30	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	120	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	54	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	3.6	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS	130
ITW-9	Phenol	76	NS	180	NS	NS	NS	NS	NS	NS	NS	190	NS	NS	NS	2,630
	Benzene	<10	NS	31	NS	NS	NS	NS	NS	22	NS	ND	NS	NS	NS	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-10 +	Chromium	100	NS	77	53	71	19	12	30	9	ND	ND	8	5	5	*100
	Phenol	ND	NS	5,400	3,060	7,900	13,000	13,000	8,300	ND	1,800	1,200	500	284	310	2,630
	Naphthalene	ND	NS	ND	ND	14	35	84	ND	ND	ND	ND	ND	ND	ND	18
	Acenaphthylene	ND	NS	ND	ND	640	41	470	25	8.5	ND	ND	310	ND	ND	130
	Fluorene	ND	NS	ND	ND	2.6	ND	ND	1.1	ND	ND	0.7	ND	ND	ND	323
	Benzene	150	NS	320	200	250	130	120	120	61	59	65	12	64	60	1
ITW-11 +	Chromium	240	NS	130	12	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
	Arsenic	9	NS	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
	Acenaphthylene	ND	NS	ND	15	ND	7.8	59	61	400	ND	ND	ND	ND	ND	130
	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	323
	Phenanthrene	ND	NS	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	130
	Pyrene	ND	NS	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
	Total Potentially Carcinogenic PAHs	ND	NS	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
	Benzene	<10	NS	3.3	2.7	2.5	1.6	2.7	3.7	2.8	2.5	1.1	0.6	3.7	4.1	1
	Phenol	ND	NS	ND	ND	ND	ND	ND	ND	8,500	ND	ND	ND	ND	ND	2,630
ITW-12	Chromium	0.06	NS	NS	NS	NS	NS	NS	12	ND	NS	NS	NS	NS	NS	*100
ITW-13	Chromium	80	34.4	10	13	10	ND	ND	ND	ND	ND	ND	6	ND	ND	*100
	Phenol	ND	6,500	2,700	2,500	4,000	11,000	7,000	9,300	8,900	6,200	7,500	4,820	5,720	7,100	2,630
	Naphthalene	ND	59	38	6.1	32	84	71	83	51	35	63	40	47	34	18
	Acenaphthylene	ND	<20	35	46	210	240	12	ND	300	ND	ND	370	ND	ND	130
	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	260
	Fluorene	ND	<20	0.3	0.7	0.8	1.2	1.1	1.6	1.8	ND	2.8	3.7	2.1	1.7	323
	Phenanthrene	ND	<20	0.3	ND	0.3	ND	0.4	0.4	0.2	0.26	0.5	0.5	0.6	0.43	130
	Anthracene	ND	?	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	0.18	0.16	1,310
	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	0.003
	Benzene	100	ND	130	140	130	82	49	65	55	75	64	59	62	66	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-14	Chromium	140	NS	ND	7	10	ND	5	ND	6	ND	ND	ND	ND	5	*100
	Phenol	4,100	NS	2,700	2,300	1,600	14,000	9,900	12,000	8,600	5,000	6,700	910	4,460	1,700	2,630
	Naphthalene	18	NS	170	ND	ND	1,100	390	ND	1,100	480	5,400	700	350	240	18
	Acenaphthylene	<10	NS	190	1,600	360	1,200	1,800	9,900	2,700	1,200	13,000	2,000	890	650	130
	Acenaphthene	<10	NS	ND	ND	83	ND	ND	ND	ND	3,100	48,000	3,300	1,400	720	260
	Fluorene	ND	NS	72	80	51	31	50	1,100	370	700	3,500	330	71	59	323
	Phenanthrene	<10	NS	40	12	ND	37	36	ND	230	190	2,000	180	25	23	130
	Anthracene	ND	NS	ND	ND	ND	ND	ND	ND	ND	53	270	16	3.1	3.8	1,310
	Total Potentially Carcinogenic PAHs	ND	NS	49	1,000	19.6	ND	ND	6,040	1,590	ND	ND	410	32	71	0.003
	Benzene	130	NS	45	180	170	68	150	180	120	130	140	160	160	120	1
	Pyrene	ND	NS	ND	ND	ND	ND	ND	5,000	ND	ND	ND	69	ND	6.4	130
ITW-15	Chromium	70	NS	6	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	9	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Phenol	2,200	NS	260	NS	NS	NS	NS	NS	NS	NS	140	NS	NS	NS	2,630
	Naphthalene	ND	NS	ND	NS	NS	NS	NS	NS	NS	NS	4.2	NS	NS	NS	18
	Acenaphthylene	ND	NS	120	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	130
	Fluorene	ND	NS	0.6	NS	NS	NS	NS	NS	NS	NS	1.4	NS	NS	NS	323
	Benzene	19	NS	7	NS	NS	NS	NS	NS	NS	NS	3	NS	NS	NS	1
ITW-16	Chromium	200	NS	61	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	10	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Naphthalene	16	NS	3.5	NS	NS	NS	NS	NS	NS	NS	7.9	NS	NS	NS	18
	Acenaphthylene	ND	NS	130	NS	NS	NS	NS	NS	NS	NS	140	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	3.6	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS	323
	Benzene	<10	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	1
ITW-17	Chromium	190	14.3	29	34	12	5	5	NS	NS	NS	NS	NS	NS	NS	*100
	Phenol	<10	6,200	660	1,080	1,400	ND	3,800	NS	NS	NS	NS	NS	NS	NS	2,630
	Naphthalene	ND	140	21	9.4	23	21	170	NS	NS	NS	NS	NS	NS	NS	18
	Acenaphthylene	ND	<20	ND	140	ND	25	310	NS	NS	NS	NS	NS	NS	NS	130
	Acenaphthene	ND	<20	ND	ND	3.7	ND	ND	NS	NS	NS	NS	NS	NS	NS	260
	Fluorene	ND	<20	ND	0.5	0.9	ND	7.3	NS	NS	NS	NS	NS	NS	NS	323
	Phenanthrene	<10	<20	1.3	ND	0.8	0.2	0.9	NS	NS	NS	NS	NS	NS	NS	130
	Benzene	12	ND	26	17	36	10	39	NS	NS	NS	NS	NS	NS	NS	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)	
WMW-17E	Chromium	NS	NS	NS	NS	NS	NS	25	5	ND	ND	ND	ND	6	10	*100	
	Benzene	NS	NS	NS	NS	NS	NS	2.5	20	3.3	1.4	2.5	2.3	49	14	1	
	Naphthalene	NS	NS	NS	NS	NS	NS	4.5	15	3.5	ND	2.1	ND	20	6	18	
	Acenaphthylene	NS	NS	NS	NS	NS	NS	10	ND	7.1	ND	4.2	ND	ND	ND	130	
	Acenaphthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	13	6.2	ND	260
	Anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	0.9	0.39	0.2	ND	ND	1,310
	Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.4	ND	ND	ND	ND	130
	Fluorene	NS	NS	NS	NS	NS	NS	0.7	ND	ND	ND	0.3	1.2	1.3	ND	ND	323
	PCP	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	94	ND	ND	0.1	
	Phenol	NS	NS	NS	NS	NS	NS	ND	3,000	ND	ND	ND	ND	340	ND	ND	2,630
	Phenanthrene	NS	NS	NS	NS	NS	NS	ND	0.5	ND	ND	ND	ND	1.3	0.32	ND	130
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	2	ND	ND	0.003
ITW-18	Chromium	110	126	44	47	33	14	16	NS	NS	NS	NS	NS	NS	NS	NS	*100
WMW-18E	Chromium	NS	NS	NS	NS	NS	NS	130	10	8	29	17	230	140	50	*100	
	Arsenic	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	19	ND	ND	50	
	PCP	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	34	ND	ND	0.1	
	Acenaphthylene	NS	NS	NS	NS	NS	NS	5.6	6.8	ND	3.2	7.6	10	ND	ND	130	
	Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.21	ND	130	
	Fluorene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.5	ND	ND	ND	ND	323	
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	NS	0.4	ND	ND	0.5	0.88	ND	ND	ND	0.003	
ITW-19	Chromium	420	NS	47	10	7.4	7	9	ND	9	ND	ND	ND	ND	ND	*100	
	Naphthalene	150	NS	96	89	62	88	110	59	68	79	180	170	180	130	18	
	Acenaphthylene	ND	NS	ND	ND	ND	9.7	8.5	ND	ND	ND	13	7.2	8.4	ND	130	
	Acenaphthene	ND	NS	ND	ND	7.5	ND	ND	ND	7.4	7.7	28	21	28	17	260	
	Fluorene	<10	NS	ND	6.2	6	9.2	ND	ND	7.9	7.3	17	14	15	10	323	
	Phenanthrene	ND	NS	ND	0.6	0.2	0.6	0.7	0.2	0.3	0.3	0.8	0.54	0.68	0.66	130	
	Anthracene	ND	NS	ND	ND	ND	ND	ND	ND	ND	0.2	0.4	0.26	0.25	0.26	0.26	1,310
	Benzene	<10	NS	0.9	1.1	1	0.6	0.8	1.2	0.9	1	ND	0.9	0.9	0.9	1	
ITW-20	Chromium	470	148	25	13	6.5	ND	ND	ND	8	21	ND	ND	ND	ND	*100	
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	1	

APPENDIX C

**Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida**

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-21	Chromium	60	29.9	8	NS	6.2	ND	ND	NS	ND	ND	ND	ND	ND	ND	*100
	Arsenic	2	NS	42	NS	46	18	20	NS	22	13	15	12	14	10	50
	PCP	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	0.1
	Naphthalene	3,400	2,700	4,600	NS	4,300	70	3,100	NS	6,000	3,000	6,600	7,200	6,200	4,500	18
	Acenaphthylene	11	<4.0	260	NS	ND	12	ND	NS	230	94	180	290	220	150	130
	Acenaphthene	210	380	ND	NS	200	ND	ND	NS	ND	100	460	430	380	300	260
	Fluorene	130	160	5.6	NS	120	ND	15	NS	180	100	210	270	220	180	323
	Phenanthrene	ND	69	82	NS	45	ND	5	NS	63	47	79	87	68	55	130
	Anthracene	ND	ND	ND	NS	ND	ND	ND	NS	ND	1.6	2	1.1	1.3	1.2	1,310
	Benzene	ND	ND	8.2	NS	6	5.4	28	NS	3.1	4	3.7	3.5	3.7	2.9	1
ITW-22	Chromium	100	NS	11	NS	11	ND	ND	NS	ND	ND	ND	ND	ND	ND	*100
	Arsenic	8	NS	13	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	50
	PCP	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	52	ND	ND	0.1
	Naphthalene	<10	NS	ND	NS	1.5	ND	ND	NS	ND	ND	11	ND	3.1	ND	18
	Acenaphthene	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	3.9	ND	ND	ND	260
	Phenanthrene	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	0.2	ND	ND	ND	130
	Total Potentially Carcinogenic PAHs	<10	NS	0.2	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	0.003
ESE-001	Chromium	NS	62.4	51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Acenaphthene	NS	1.3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	260
	Naphthalene	NS	5.2	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18
ESE-002	Chromium	NS	55.6	170	120	39	ND	ND	ND	28	5	ND	19	ND	7	*100
	Naphthalene	NS	27	ND	ND	2	59	7.3	4.8	42	110	12	ND	9.5	6.7	18
	Acenaphthylene	NS	<1.0	ND	ND	ND	5.5	ND	ND	ND	2.9	4	11	ND	10	130
	Acenaphthene	NS	9.3	ND	ND	ND	ND	ND	ND	8.8	4.6	ND	ND	ND	ND	260
	Fluorene	NS	4.4	ND	ND	1	ND	ND	ND	13	9.4	5.1	1.2	2.5	ND	323
	Phenanthrene	NS	<1.0	18	0.4	1.5	3.7	1.2	1.4	12	9.4	9.4	1.2	1.1	0.55	130
	Anthracene	NS	<1.0	1.2	ND	ND	ND	ND	ND	0.8	0.5	0.9	0.29	0.28	0.16	1,310
	Benzene	NS	ND	13	5.2	7.7	4.3	9.2	11	4.2	2.5	2.5	0.8	5	5.1	1
	Pyrene	NS	<1.0	ND	ND	ND	ND	ND	ND	0.6	1.1	2.4	1.8	1.7	1.1	130
	Total Potentially Carcinogenic PAHs	NS	ND	ND	ND	ND	ND	ND	ND	0.3	ND	0.33	ND	ND	ND	0.003
ESE-003	Chromium	NS	31.3	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Benzene	NS	NS	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1

APPENDIX C

**Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida**

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ESE-004	Chromium	NS	70.2	120	29	29	ND	9	8	7	6	ND	8	5	13	*100
	Phenol	NS	260	ND	23	ND	50	40	ND	ND	315	ND	16	ND	610	2,630
	Naphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	18
	Acenaphthylene	NS	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	130
	Phenanthrene	NS	ND	ND	ND	ND	ND	ND	0.5	ND	ND	0.2	ND	ND	ND	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21	ND	ND	1,310
	Benzene	NS	ND	ND	ND	ND	ND	ND	3.2	ND	1.8	ND	ND	ND	3.6	1
	Fluorene	NS	<1.0	ND	ND	ND	ND	ND	ND	0.3	ND	0.7	ND	ND	ND	323
ESE-005	Chromium	NS	59.2	110	53	20	11	ND	ND	ND	ND	ND	ND	ND	ND	*100
	PCP	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	90	ND	ND	0.1
	Phenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	90	ND	ND	56	2,630
	Naphthalene	NS	1,300	660	97	730	170	400	1,000	1,100	420	610	1,100	1,200	3,600	18
	Acenaphthylene	NS	<5.0	81	89	ND	ND	ND	320	ND	49	35	270	84	300	130
	Acenaphthene	NS	68	17	ND	ND	ND	360	ND	ND	ND	44	49	120	190	260
	Fluorene	NS	30	21	4.7	22	10	ND	3.9	45	13	16	42	41	61	323
	Phenanthrene	NS	4.3	4.1	1.1	3.7	1.8	3.4	2.5	8.9	3.5	2.9	5	8.1	20	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.3	0.3	0.62	0.53	0.96	1,310
	Pyrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	4.2	130
ESE-006	Total Potentially Carcinogenic PAHs	NS	<61	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
	Benzene	NS	<100	50	49	59	45	75	130	56	48	86	85	90	150	1
ESE-007	Chromium	NS	230	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Phenol	NS	81	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,630
	Naphthalene	NS	340	560	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18
	Acenaphthylene	NS	<20	880	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	130
	Fluorene	NS	ND	24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	323
	Phenanthrene	NS	ND	7.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	130
	Benzene	NS	320	65	NS	NS	60	NS	NS	NS	NS	NS	NS	NS	NS	1
ESE-007	Chromium	NS	45.7	96	47	26	11	9	24	22	5	ND	15	9	10	*100
	Phenol	NS	11,000	240	490	1,550	890	5,000	4,300	6,400	2,100	4,000	3,200	830	540	2,630
	Naphthalene	NS	<40	2.4	12	21	14	25	13	14	15	19	17	35	21	18
	Acenaphthylene	NS	<40	130	210	320	110	ND	9.1	450	ND	ND	440	ND	ND	130
	Acenaphthene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	260
	Phenanthrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.69	ND	0.31	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND	0.22	1,310
	Fluorene	NS	<40	ND	ND	0.8	ND	ND	1	1.6	ND	2.1	ND	2.8	ND	323
	Total Potentially Carcinogenic PAHs	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND	0.003
	Benzene	NS	ND	74	30	48	9.8	37	25	33	30	38	35	34	10	1

APPENDIX C

**Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida**

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITF-1 ++	Benzene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	1.6	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	1.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	3.1	4.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
ITF-2 ++	Benzene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
ITF-3 ++	Benzene	ND	ND	2.8	3.5	3.6	2.4	2.6	3.5	2.7	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	1	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	1.1	1.6	1.4	1.3	3	2	2.1	NS	NS	NS	NS	NS	**

The data presented in this table represents only those compounds that have been detected above detection limit in groundwater samples from the indicated wells.

(1) Please see Table 6 of Remedial Investigation Report, Cabot Carbon/Koppers Site Vol. 1 (IT Corp., 1987) for analytical detection limits of individual compounds.

(2) Please see Appendix B of Remedial Investigation/Risk Assessment at the Cabot Carbon/Koppers Site, Gainesville, Florida Vol. 3 (Hunter/ESE, 1989).

(3) Please see individual groundwater report for analytical detection limits of compounds for different sampling events.

All results are in µg/L.

µg/L = micrograms per liter.

MDL = laboratory method detection limit.

ND = not detected above the MDL.

NS = not sampled for indicated compound.

* The new EPA MCL for chromium is 100 µg/L. As per the ROD, this new MCL replaces the previous cleanup goals of 50 µg/L.

** Cleanup goal for indicated compound has not been established.

+ Analytical results from January 1994 are suspect. Past groundwater data review indicates sample bottles may have been mislabeled.

++ Sampled only for BTEX constituents.

APPENDIX D

SUMMARY OF POST-REMEDIAL ACTION GROUNDWATER DATA EASTERN SITE GAINESVILLE, FLORIDA

Appendix D
Summary of Recent Post-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

WELL DESIGNATION	PARAMETERS	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	May-13	Sep-13	Dec-13	Mar-14	Jun-14	ROD cleanup goal
ITW-1	Chromium	ND	*100													
ITW-1	Acenaphthene	ND	260													
ITW-1	Anthracene	ND	1,310													
ITW-1	Fluorene	ND	323													
ITW-1	Naphthalene	ND	18													
ITW-1	Phenanthrene	ND	130													
ITW-1	1- Methylnaphthalene	ND	*													
ITW-1	2- Methylnaphthalene	ND	*													
ITW-2	Benzene	ND	Dry	ND	ND	ND	ND	1								
ITW-2	Total Xylenes	ND	Dry	ND	ND	ND	ND	*								
ITW-2	Acenaphthene	ND	Dry	ND	ND	ND	ND	260								
ITW-2	Anthracene	ND	Dry	ND	ND	ND	ND	1,310								
ITW-2	Fluoranthene	ND	Dry	ND	ND	ND	ND	*								
ITW-2	Fluorene	ND	Dry	ND	ND	ND	ND	323								
ITW-2	Naphthalene	ND	Dry	ND	ND	ND	ND	18								
ITW-2	Phenanthrene	ND	Dry	ND	ND	ND	ND	130								
ITW-2	Pyrene	ND	Dry	ND	ND	ND	ND	130								
ITW-2	2- Methylnaphthalene	ND	Dry	ND	ND	ND	ND	*								
ITW-2	2,4-Dichlorophenol	ND	Dry	NA	NA	NA	2.1	*								
ITW-2	Chromium	ND	Dry	ND	ND	ND	ND	*100								
ITW-13	Acetone	430	600	950	280	490	1100	1400	860	260	190	360	1300	420	ND	*
ITW-13	Benzene	80	110	79	70	75	130	78	91	75	73	86	59	60	96	1
ITW-13	2 Butanone (MEK)	210	320	240	180	260	450	250	240	ND	110	120	100	65	51	*
ITW-13	Toluene	350	550	360	490	680	1600	560	570	440	530	410	250	260	370	*
ITW-13	Ethylbenzene	260	380	240	250	250	480	250	340	300	340	320	210	210	300	*
ITW-13	2-Hexanone	ND	66	ND	*											
ITW-13	4-Methyl-2-Pentanone (MIBK)	ND	440	ND	ND	ND	*									
ITW-13	Total Xylenes	160	210	150	150	180	310	140	ND	170	190	180	120	120	160	*
ITW-13	Acenaphthene	ND	260													
ITW-13	Acenaphthylene	ND	17	84	37	54	47	ND	26	24	ND	ND	ND	ND	ND	130
ITW-13	Anthracene	ND	1,310													
ITW-13	Benzo (a) anthracene	ND	PAH													
ITW-13	Benzo (b) fluoranthene	ND	PAH													
ITW-13	Fluorene	ND	323													
ITW-13	Naphthalene	36	25	53	27	35	250	62	53	49	47	97	ND	53	ND	18
ITW-13	Phenanthrene	ND	130													
ITW-13	Total Potentially Carcinogenic PAHs	ND	0.003													
ITW-13	1- Methylnaphthalene	ND	ND	18	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	*
ITW-13	2- Methylnaphthalene	ND	ND	24	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	*
ITW-13	Phenol	4400	7000	4700	3700	6300	3400	4000	4200	1300	1100	2,300	1,800	960	640	2630

Appendix D

Summary of Recent Post-Remedial Action Groundwater Data Eastern Site, Gainesville, Florida

Appendix D

Summary of Recent Post-Remedial Action Groundwater Data Eastern Site, Gainesville, Florida

Appendix D
Summary of Recent Post-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

WELL DESIGNATION	PARAMETERS	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	May-13	Sep-13	Dec-13	Mar-14	Jun-14	ROD cleanup goal	
ESE-002	Anthracene	2.7	ND	7.8p	ND	ND	0.24	ND	1.7	0.83	0.53	0.72	ND	1.5	0.24	1,310	
ESE-002	Fluorathene	ND	ND	ND	ND	ND	ND	2.4	8.9	3.3	ND	ND	ND	ND	ND	*	
ESE-002	Benzo(a)anthracene	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH	
ESE-002	Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH	
ESE-002	Fluoranthene	ND	8.8p	ND	2.5	ND	1.0	8.2	ND	ND	2.2	0.94	ND	5.4	1.7	*	
ESE-002	Fluorene	22	ND	11	ND	ND	15	ND	6.4	3.9	0.98	5.7	ND	5.1	0.48	323	
ESE-002	Naphthalene	18	ND	10p	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	
ESE-002	Phenanthrene	ND	3.7	ND	ND	ND	2.8	19	16	8.6	7.4	7.6	ND	23	ND	130	
ESE-002	Pyrene	ND	ND	3.6	ND	ND	0.70	1.50	ND	2.7	1.3	0.73	ND	ND	ND	130	
ESE-002	1- Methylnaphthalene	4.9P	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	
ESE-002	2-Methylnaphthalene	30	1.5p	12	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	
ESE-002	Phenanthrene	18	3.3	2.3	1.8	ND	2.8	ND	3.1	130							
ESE-002	Pyrene	ND	ND	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	2.6	0.84	130
ESE-002	Total Potentially Carcinogenic PAHs	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	
ESE-002	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630	
ESE-002	2,4- Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	
ESE-002	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100	
ESE-004	Acetone	170	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	50	ND	ND	*
ESE-004	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	
ESE-004	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	
ESE-004	Acenaphthylene	ND	ND	ND	ND	2.6	ND	130									
ESE-004	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310	
ESE-004	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323	
ESE-004	Naphthalene	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	
ESE-004	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	
ESE-004	2,4- Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	
ESE-004	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630	
ESE-004	Chromium	ND	ND	ND	ND	ND	39	ND	*100								
ESE-007	Acetone	30	ND	ND	160	130	36	25	ND	*							
ESE-007	Benzene	2.9	4.2	6.2	3.9	13.0	9.0	4.8	4.2	3.0	3.7	1.8	1.4	1.3	1.4	1	
ESE-007	2-Butanone (MEK)	ND	ND	ND	58.0	56	13	ND	*								
ESE-007	Toluene	7.9	3.3	17.0	ND	110.0	75	18	5.4	ND	ND	ND	ND	ND	ND	*	
ESE-007	Ethylbenzene	6.5	4.7	14.0	3.3	41.0	31	14	14	7.0	9.0	2.3	2.1	1.8	1.2	*	
ESE-007	Total Xylenes	7.2	6.2	11	4.9	41	30	14	15	7.6	9.3	3.8	4.3	4.1	2.9	*	
ESE-007	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	
ESE-007	Acenaphthylene	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	
ESE-007	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310	
ESE-007	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323	
ESE-007	Naphthalene	ND	ND	ND	ND	ND	70	2.6	ND	ND	3.7	2.8	ND	2.7	1.4	18	
ESE-007	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	
ESE-007	1-Methylnaphthalene	ND	ND	ND	ND	ND	NS	NS	NS	NS	ND	ND	ND	ND	ND	*	

Appendix D
Summary of Recent Post-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

WELL DESIGNATION	PARAMETERS	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	May-13	Sep-13	Dec-13	Mar-14	Jun-14	ROD cleanup goal
ESE-007	2-Methylnaphthalene	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	*
ESE-007	Total Potentially Carcinogenic PAHs	ND	0.003													
ESE-007	Phenol	83	85	ND	2,630											
ESE-007	Diethyl phthalate	NS	3.0	*												
ESE-007	2,4- Dimethylphenol	46	ND	68	ND	420	370	150	76	37	28	28	ND	26	16	*
ESE-007	2- Methylphenol	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	*
ESE-007	3&4- Methylphenol	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	*
ESE-007	Arsenic	ND	50													
ESE-007	Chromium	ND	T2	ND	110	T2	T3	ND	ND	ND	ND	ND	T0	ND	ND	*100

All results are in ug/l (micrograms per liter).

ND = Not detected above the MDL.

NS = Not sampled for indicated compound.

NA = Not analyzed

* = No ROD Cleanup Goal for compound. Tested as part of complete scan for tests 8021, 8270 or 8310.

Y = Target compounds were quantified from a secondary dilution due to analyte abundance in the sample.

P = Identification of target analytes using LC methodology is based on retention time. Discretion should be employed during data review and interpretation of results for this target compound.

PAH = Included as Total Potentially Carcinogenic PAHs.

Bolded values meet or exceed indicated ROD cleanup goals.

p=The % RPD between the primary and confirmation column/detector is > 40%. The lower value has been reported

E = Result exceeded calibration range.

Orange shading indicates detections added from expanded SVOC analyte list.