

**Expanded Groundwater Quality
Monitoring Event Results
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida**

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1 Introduction

A Record of Decision (ROD) defining the remedial actions to be undertaken at the Cabot Carbon/Koppers Superfund Site was issued by the United States Environmental Protection Agency (USEPA) in 1990. These actions, including the installation of a groundwater interceptor trench, were implemented at the eastern portion of the Superfund Site (“Site”) by 1995. Since then, the Site has been in Operation and Maintenance (O&M) mode. As part of routine O&M, quarterly groundwater quality monitoring is undertaken at selected monitoring wells to track remedy progression and effectiveness.

In March 2005, a comprehensive round of groundwater quality monitoring was undertaken by Cabot Corporation (“Cabot”) in anticipation of the second five year remedy review (Gradient, 2005). In response to the Second Five Year Remedy Review Report (USACE, 2006)¹, the United States Environmental Protection Agency (USEPA) requested that supplemental groundwater quality characterization be undertaken at the Site. Gradient Corporation (Gradient) prepared a Work Plan (Gradient, 2008)² for these activities that was approved by USEPA. The Work Plan included two elements – sampling of groundwater at existing monitoring wells and vertical profiling (of groundwater quality) downgradient of the groundwater interceptor trench. This report presents the results of the expanded groundwater sampling event.

¹ U.S. Army Corps of Engineers (USACE). 2006. Second Five-Year Review Report for Cabot Carbon/Koppers Superfund Site, Gainesville, Florida. April.

² Gradient Corporation (Gradient). 2008. Revised Supplemental Groundwater Quality Characterization Work Plan, Cabot Carbon/Koppers Superfund Site, Gainesville, Florida. May 8.

2 Work Plan Requirements

The USEPA approved Work Plan required the implementation of the following tasks:

- Expanded groundwater sampling event, which included the sampling of 9 routinely (quarterly) sampled and 11 additional monitoring wells (Figure 1), and analysis of the groundwater samples from these wells for the Site's compounds of concern and a few additional analytes (pine tar indicator compounds)(Table 1).
- Vertical groundwater profiling at two locations at property downgradient of the groundwater interceptor trench (Figure 1). Analysis of five groundwater samples from each location for volatile organic compounds (VOCs), phenol, terpenes, and terpenoids.

Details and results of the expanded groundwater sampling event, which was performed at the Site from June to August 2008, are presented in the following sections of the report. The vertical groundwater profiling, which was to be performed in conjunction with the expanded sampling event, could not be conducted since the property owner denied access. Vertical profiling results will be presented in a separate letter report, once property access is granted and the work has been completed.

3 Sampling Methodology

The expanded groundwater sampling event, including collection of groundwater samples and water level measurements, was conducted by Weston Solutions, Inc from June to August, 2008.

3.1 Groundwater Sampling

Groundwater samples were collected from 20 monitoring wells (Table 1 and Figure 1) using the procedures described below.

3.1.1 Well Redevelopment

Prior to sample collection, the wells that are not routinely sampled during quarterly sampling events were redeveloped using submersible pumps. Manual well surging using these pumps allowed for the removal of silts and fines that had settled in the wells since they were last sampled in 2005. The volume of water removed from each of these wells is presented in Appendix A.

Accumulated silts and fine materials could not be effectively removed from the bottom of ITF-3 during the June 2008 sampling event due to the depth limitations of the available submersible pump. Therefore, a follow-up sampling event was conducted in August 2008 to perform a more effective redevelopment of ITF-3 prior to sampling.

3.1.2 Sample Collection

Prior to groundwater sampling, the monitoring wells were purged either using a disposable bailer or a submersible pump. A fresh disposable bailer was used to collect groundwater samples for laboratory analysis. To minimize sediment entrainment, after samples for VOC and SVOC analyses had been collected, the wells were allowed to equilibrate to allow sediment to settle, prior to collecting samples for metals analysis. This settling period did not exceed 24 hours at any well.

Groundwater samples collected from all monitoring wells were analyzed for all compounds of concern (COCs) identified in the Record of Decision (ROD) and a few additional analytes (Table 1). Additionally, samples from wells ITW-4, ITW-8, ITW-9, ITW-11, and ITF-3 were analyzed for terpenes

and terpenoids. Physical parameter readings (*e.g.*, specific conductance and temperature) measured during well sampling are provided in Appendix A of this report. Note, the ROD-defined COCs were developed for the entire Superfund Site, *i.e.*, are not specific to the Cabot portion of the Site. For pine/wood processing operations, terpenes and terpenoids are the best indicator compounds; however, their toxicity is low and consequently these compounds are not on the priority pollutant list. Of the ROD-defined COC list, phenol is the best indicator compounds of pine processing operations, but phenol can also be attributable to other operations (*e.g.*, wood treating). Given these constraints, terpenes and terpenoids were also analyzed in monitoring wells near (upgradient and downgradient) of the former Cabot lagoons.

3.2 Water Level Measurements

To assist in evaluating the interceptor trench's effectiveness, water level measurements were collected on June 17, 2008, from 24 monitoring wells, 10 piezometers, and 4 sumps along the interceptor trench (Table 2). Car dealership construction activities near monitoring wells ITW-15, ITW-16, and piezometer P8 have recently been completed and the wells/piezometers have been reconstructed with flushmounts/minor stickup surface completions. Data from these wells was not used in generating the potentiometric map. The wells/piezometers will be resurveyed to obtain corrected well casing elevations for precise water level elevation data. All other wells installed at the site are in good repair and, with the exception of monitoring wells ITW-3, ITW-10, ITW-12, ITW-21, and piezometer P-1, were included in the water level measurements normally taken at the site.

Historically, wells ITW-17 and ITW-18 were replaced by WMW-17E and WMW-18E. A new car dealership (Gatorland Toyota) was constructed in 2007 east of North Main Street in the vicinity of monitoring wells WMW-17E and WMW-18E. The site development activities included raising this once low area to match the roadway elevations of North Main Street. Consequently, WMW-17E and WMW-18E were extended and a new concrete pad, bollards, and protective casing installed in February 2007. However, the top of casing elevations used for this sampling event were calculated from grade elevations that were measured prior to these site development activities. These wells will be re-surveyed at the same time as reconstructed wells ITW-15, ITW-16, and P-8 (does not affect groundwater quality measurements).

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 2. Figure 2 shows the water level elevations and groundwater flow directions in the upper surficial aquifer measured on June 17, 2008.

4 Results of Expanded Sampling Event

This chapter presents the groundwater elevation and quality data collected during the expanded groundwater sampling event. Overall, these data are consistent with prior measurements and confirms that the groundwater interceptor trench is effective and the former Cabot lagoons do not continue to be a significant source area.

4.1 Groundwater Elevations

4.1.1 Surficial Aquifer

Groundwater elevations measurements clearly indicate that the groundwater interceptor trench is operating effectively and mitigating downgradient groundwater migration in the surficial aquifer (see Figure 2). The overall potentiometric surface (developed using the groundwater elevation measurements) clearly demonstrates the effect of the interceptor trench system (Figure 2). In addition, the groundwater elevation data also indicate that groundwater east of the trench is flowing towards the trench (e.g., trench influence reflected in “reduced” groundwater elevation at WMW-18E; Figure 2). Furthermore, the effectiveness of the interceptor trench system in mitigating groundwater migration continues to be supported by the groundwater quality observed at monitoring wells downgradient of the trench system (see Section 5.4).

4.1.2 Intermediate Aquifer

Based on groundwater elevations recorded at the three intermediate aquifer wells, the groundwater flow direction in this aquifer continues to be generally toward the northeast. These hydraulic head data also indicate the presence of a significant difference in heads between the surficial and intermediate (Lower Hawthorn) aquifer units. For example, on June 17, 2008, a head difference of approximately 32.11 feet was measured between surficial aquifer well ITW-11 and intermediate aquifer well ITF-3 (see Table 2). This head difference indicates that there is limited hydraulic communication between the two (surficial and Lower Hawthorn) aquifer units in the eastern portion of the Superfund Site.

4.2 Groundwater Quality

Results of the June 2008 expanded sampling event are generally consistent with results of the previous expanded sampling event performed in March 2005 and routine quarterly sampling events performed at the Site.

4.2.1 Former Cabot Property

Cabot Carbon manufactured pine tar and related products by destructive distillation of pine stumps from 1945 to 1966. Terpenes and terpenoids are the best indicator compounds of pine processing operations and were analyzed at selected monitoring wells near the former Cabot lagoons. Of the ROD-defined COCs, phenol is the best indicator of pine processing operations, although it can also be attributable to other sources (such as wood treating).

Phenol

In the surficial aquifer, phenol was detected at low concentrations, well below the ROD groundwater CUG of 2,630 µg/L, in only two monitoring wells (ITW-8: 82 and ITW-15: 120 µg/l; Table 3-1; Appendix B). Note, no phenol groundwater CUG exceedances have been recorded at any monitoring well located on or immediately downgradient of the former Cabot property in over 12 years now (Figure 3; Appendix D). Additionally, phenol detections, if any, at these monitoring wells have generally declined over time (Figure 3; Appendix D).

In the intermediate aquifer, phenol was detected at 29 µg/L in the June 2008 sample collected in the Lower Hawthorne group well ITF3, possibly due to the presence of sediments in the sample. After the well was redeveloped, phenol was not detected in ITF-3. Note, with the exception of the June 2008 sample, phenol has not been detected in 12 samples collected from ITF-3 over 15 years.

Terpenes and Terpenoids

Terpenes and terpenoids were detected at levels ranging from 43 to 2400 µg/L, at surficial aquifer monitoring wells ITW-8 and ITW-9, located approximately 50 feet hydraulically downgradient of the former Cabot lagoons (Table 3-2; Appendix B). No terpenes and terpenoids were detected at

monitoring wells ITW-11, which indicates that these compounds attenuate to non-detectable levels within approximately 200 feet hydraulically downgradient of the former lagoons. Additionally, no terpenes and terpenoids were detected in the Hawthorn Group monitoring well ITF3. This is consistent with historical observations at the Site and further confirms that the presence of terpenes and terpenoids is limited in aerial extent to the immediate vicinity of the former Cabot lagoons.

Other ROD COCs

The ROD promulgated CUGs for naphthalene, benzene, and chromium were exceeded in groundwater samples collected at or near the former Cabot property. However, these exceedances are attributable to other sources (*e.g.*, Koppers property and other urban sources), and are not associated with Cabot operations (Table 3-1).

4.2.2 Former Northeast Lagoon

During the June 2008 sampling event, groundwater samples were collected from monitoring wells ITW-13, ITW-14 and ESE-007 located at or in the immediate vicinity of the former Northeast Lagoon.

Consistent with historical observations, monitoring well ITW-14 indicated ROD groundwater CUG exceedances for naphthalene (260 µg/L), carcinogenic PAHs (29 µg/L), benzene (28 µg/L) and acenaphthylene (260 µg/L; Table 3-1). Although a few inches of NAPL is occasionally observed at ITW-14 (the shallow or water table well), a review of the historical data indicate that the groundwater concentrations at ITW-14 for soluble constituents, such as benzene and phenol have declined sharply since the permanent groundwater interceptor trench was installed in 1995 (see Appendix D). Note, phenol was not detected at ITW-14 in the June 2008 sampling event. Groundwater concentrations for the relatively insoluble constituents, such as naphthalene, have also declined over the last eight years, but at a slower rate (Appendix D). These data indicate that the groundwater interceptor trench is resulting in source mass depletion.

At ITW-13, groundwater CUG exceedances were observed for benzene (73 µg/L), naphthalene (38 µg/L), and phenol (8,300 µg/L) during this sampling event. However, the operation of the groundwater interceptor trench is expected to improve groundwater quality at ITW-13.

Groundwater CUG exceedances were also observed at monitoring well ESE-007 for benzene (11 µg/L) and phenol (2,700 µg/L). The detection of these compounds at ESE-007 may be associated with the former Northeast Lagoon, given that impacted soils from the lagoon area are believed to have been moved and spread when North Main Street was widened. Based on the historical groundwater quality data, the presence of phenol at ESE-007 is not associated with the former Cabot lagoons. This is because phenol is detected at only two monitoring wells located in the immediate vicinity of the former Cabot lagoons and at significantly lower concentrations (up to 120 µg/L) than at ESE-007.

Overall, the groundwater chemical signature (naphthalene, carcinogenic PAHs, benzene, *etc.*) of the Northeast Lagoon wells is not related to former Cabot operations, but rather associated with other sources such as coal tar and petroleum products. As indicated in previous reports, Cabot never owned or operated the former Northeast Lagoon.

4.2.3 Groundwater Interceptor Trench

Groundwater quality and elevation data indicate that the groundwater interceptor trench has been effective in mitigating off-site contaminant migration. Groundwater quality results from the June 2008 sampling event indicated that no phenol was detected in groundwater samples collected from monitoring wells WMW-17E, WMW-18E, and ESE-002 located downgradient of the interceptor trench. Furthermore, no groundwater CUG exceedances were observed for the compounds that were detected at the three downgradient wells (Table 3-1).

Although there are already multiple lines of evidence that strongly suggest that the interceptor trench is effectively capturing groundwater from the entire thickness of the surficial aquifer³, the proposed vertical profiling will definitively address this issue. As previously indicated, that work will be undertaken once access is granted by the downgradient property owner.

³ Cabot Corporation (Cabot). 2006. Letter to Amy L. McLaughlin (United States Environmental Protection Agency) re: Five Year Review- Cabot/Koppers Superfund Site, Gainesville, Florida. July 25.

5 Conclusions

The following conclusions, which are consistent with prior reports (e.g., Gradient, 2005)⁴, were drawn based on the expanded groundwater monitoring event results:

- The former Cabot lagoons are not a continuing source of contamination to the surficial and deep aquifers at the Site. This is evident from the low groundwater concentrations of pine tar indicator compounds observed in the surficial aquifer and absence of the same in the Hawthorn Group formation. Groundwater quality data collected at the former Cabot property for phenol, and terpenes and terpenoids – pine processing indicator compounds – indicated that these compounds are present in the immediate vicinity of the former Cabot lagoons, but rapidly attenuate within 250 to 500 feet of the lagoons.
- The presence of compounds such as naphthalene and benzene on the former Cabot property are associated with other sources such as coal tar and petroleum products. Their presence at the former Cabot property may be attributed to the off-site migration of coal tar-related contamination from the upgradient Koppers property and/or the urbanized setting of the Site.
- Cabot never owned, operated or used the Northeast Lagoon. Consistent with historical data trends, results of the expanded sampling event indicated that the groundwater chemical signature of the Northeast Lagoon (naphthalene, acenaphthene, carcinogenic PAHs, benzene) is distinct from that of the former Cabot property and not related to pine tar processing.
- The groundwater interceptor trench is effectively capturing impacted groundwater from the surficial aquifer at the Site. This is supported by the groundwater elevation and groundwater quality data collected along and downgradient of the interceptor trench during this sampling event. The issue of trench underflow (*i.e.*, whether any surficial aquifer groundwater is not captured by the trench) will be further addressed by the proposed groundwater quality vertical profiling to be undertaken once access has been obtained from the downgradient property owner.

Overall, the groundwater quality results indicate that the remedy has been effective and remains protective of human health and the environment.

⁴ Gradient Corporation. 2005. "Remedy Status and Expanded Remedy Performance Monitoring Program." September 30.

Table 1
Expanded Groundwater Monitoring Program - 2008
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Routinely Sampled Wells	Additional Wells Sampled	Parameters ¹	Analytical Method
ITW-1 ITW-2 ITW-13 ITW-14 WMW-17E WMW-18E ESE-002 ESE-004 ESE-007	ITF-3 ITW-4 ITW-6 ITW-7 ITW-8 ITW-9 ITW-11 ITW-15 ITW-16 ESE-005 ESE-006	Anthracene Phenanthrene Acenaphthylene Fluorene Fluoranthene* Pyrene Naphthalene Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenz(a,h)anthracene Indeno(1,2,3-c,d)pyrene Chrysene Phenol Pentachlorophenol (PCP) Arsenic Chromium Benzene Ethylbenzene* Toluene* Xylene* Methyl tert-butyl ether (MTBE)* Terpenes and terpenoids	8310 8270 6010 8021 8270
	ITW-4 ITW-8 ITW-9 ITW-11		

Notes:

1. Parameters include Compounds of Concern identified in the Record of Decision (ROD) and additional compounds identified by an asterix (*).

Table 2
Groundwater Depths and Elevations
June/August 2008 Supplemental Sampling Event¹
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Gainesville, Alachua County, Florida

Monitoring Well ID	Top of Casing/Sump Elevation Feet (MSL) ³	June 17, 2008 Field Measured Water Depth Below Top of Casing (Feet) ²	Groundwater Elevation Feet (MSL)	Depth of Screened Interval ⁴
ITW-1	188.47	11.19	177.28	15.50 - 25.50
ITW-2	187.48	10.15	177.33	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	13.15	174.67	5.00 - 15.00
ITW-5	185.34	11.04	174.30	19.00 - 24.00
ITW-6	183.10	11.45	171.65	18.50 - 28.50
ITW-7⁵	182.97	11.33	171.64	8.50 - 18.50
ITW-8	180.81	9.18	171.63	18.50 - 28.50
ITW-9	180.30	9.15	171.15	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	9.72	171.19	6.00 - 16.00
ITW-12	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-13	174.14	8.23	165.91	23.00 - 33.00
ITW-14 ⁶	174.80	Approx. 0.2 foot product	Not Measured	5.00 - 15.00
ITW-15⁷	179.30	7.04	Top of Casing Elev. Changed	20.00 - 30.00
ITW-16⁷	178.86	6.36	Top of Casing Elev. Changed	12.50 - 22.50
ITW-19	169.74	9.71	160.03	11.00 - 31.00
ITW-20	169.77	10.28	159.49	11.00 - 31.00
ITW-21 ⁵	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-22 ⁵	178.61	10.99	167.62	3.00 - 13.00
ESE-001	162.05	8.81	153.24	6.50 - 21.20
ESE-002	169.08	7.01	162.07	8.00 - 23.00
ESE-003	171.86	6.31	165.55	9.00 - 29.00
ESE-004 ⁵	166.69	9.02	157.67	6.50 - 21.50
ESE-005	178.23	10.19	168.04	9.50 - 29.50
ESE-006	180.39	9.12	171.27	7.50 - 27.50
ESE-007	168.42	4.42	164.00	7.50 - 22.50
WMW-17E ⁵	175.50	9.28	166.22	9.00 - 29.00
WMW-18E	172.69	6.15	166.54	9.00 - 29.00
ITF-1	186.63	23.15	163.48	69.00 - 79.00
ITF-2	168.95	37.90	131.05	71.00 - 81.00
ITF-3	176.89	37.81	139.08	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	5.83	163.94	5.18 - 10.18
P-3	171.05	5.74	165.31	5.00 - 10.00
P-4	172.26	6.60	165.66	5.00 - 10.00
P-5	173.20	5.50	167.70	6.65 - 11.65
P-6	177.07	9.92	167.15	7.50 - 12.50
P-7	179.24	10.80	168.44	7.50 - 12.50
P-8 ⁷	168.44	8.05	Top of Casing Elev. Changed	5.00 - 10.00
P-9	181.35	11.38	169.97	10.00 - 15.00
P-10	180.23	11.35	168.88	10.00 - 15.00
P-11	173.35	7.18	166.17	10.00 - 15.00
Sump No. 1	168.95	6.80	162.15	Sump
Sump No. 2	169.80	6.40	163.40	Sump
Sump No. 3	170.94	6.80	164.14	Sump
Sump No. 4	173.27	7.65	165.62	Sump

- Notes:**
1. Depths to water measured on June 17, 2008.
 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 ground surface.
 5. Wells ITW-7, ITW-21, ITW-22, ESE-004, and WMW-17E were repaired and resurveyed in July 2000.
 6. 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.
 7. Wells ITW-15, ITW-16, and piezometer P-8 were cut off to grade in September 2007 and covered for protection during construction activities. When construction activities are complete, these wells will be reconstructed as flush mount wells and resurveyed.
- Land around wells WMW-17E and WMW-18E was raised in late 2006. Wells were raised approximately 3 feet.
- All elevations associated with WMW-17E and WMW-18E are approximate until wells are resurveyed in late 2007
- Wells sampled in June 2008 for the extended supplemental sampling event are bolded.

Table 3-1
Groundwater Quality Data - June-August 2008
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Detected Compounds of Concern	ROD Cleanup Level (µg/L)	Concentration in Groundwater (µg/L)																				
		Upgradient Wells					Former Cabot Lagoon Wells								Former Northeast Lagoon Wells			Groundwater Interceptor Trench Wells				
		ITW-1	ITW-2	ITW-4	ESE-005	ESE-006	ITW-6	ITW-7	ITW-8	ITW-9	ITW-11	ITW-15	ITW-16	ITF-3 (June-2008) ^a	ITF-3 (Aug-2008) ^a	ITW-13	ITW-14	ESE-007	WMW-17E	WMW-18E	ESE-002	ESE-004
Benzene	1				10	37	3	4.4	14	21		2.8	2.1		1.2		73	28	11			
Ethylbenzene	*				110	140	65	4.1	18	65		8.7	1.1				320	120	40			
Toluene	*				24	48	34		170	720		190					320	430	170			
Xylenes, Total	*				230	140	97	3.1	33	83	4.3	13	11		2.1		200	380	44			
MTBE	*																					
Acenaphthene	260					7.2	40														20	
Acenaphthylene	130																					2.3
Anthracene	1310																					
Benzof(b)fluoranthene	*																					13
Chrysene	*																					16
Fluoranthene	*					28																9.1
Fluorene	323						13															11
1-Methylnaphthalene	*						70	46										150	1.9	2		2.4
2-Methylnaphthalene	*						53	45										130	1.4			11
Naphthalene	18					63	250					6.7	20	11	38	260	7.5	2.5				2.6
Phenanthrene	130					20												15				21
Pyrene	130																					4.2
Total Potentially Carcinogenic PAHs	0.003																	29				
Phenol	2630																8300	2700				
2,4-Dimethylphenol	*					31		110	240	1000		39					2400	6100	500			
Arsenic	50																10					
Chromium	100**					22		67		13				220								

Note:

Blank=Non-detect

* - No ROD cleanup goal for the compound.

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

Data in bold indicate exceedances of the ROD cleanup goal

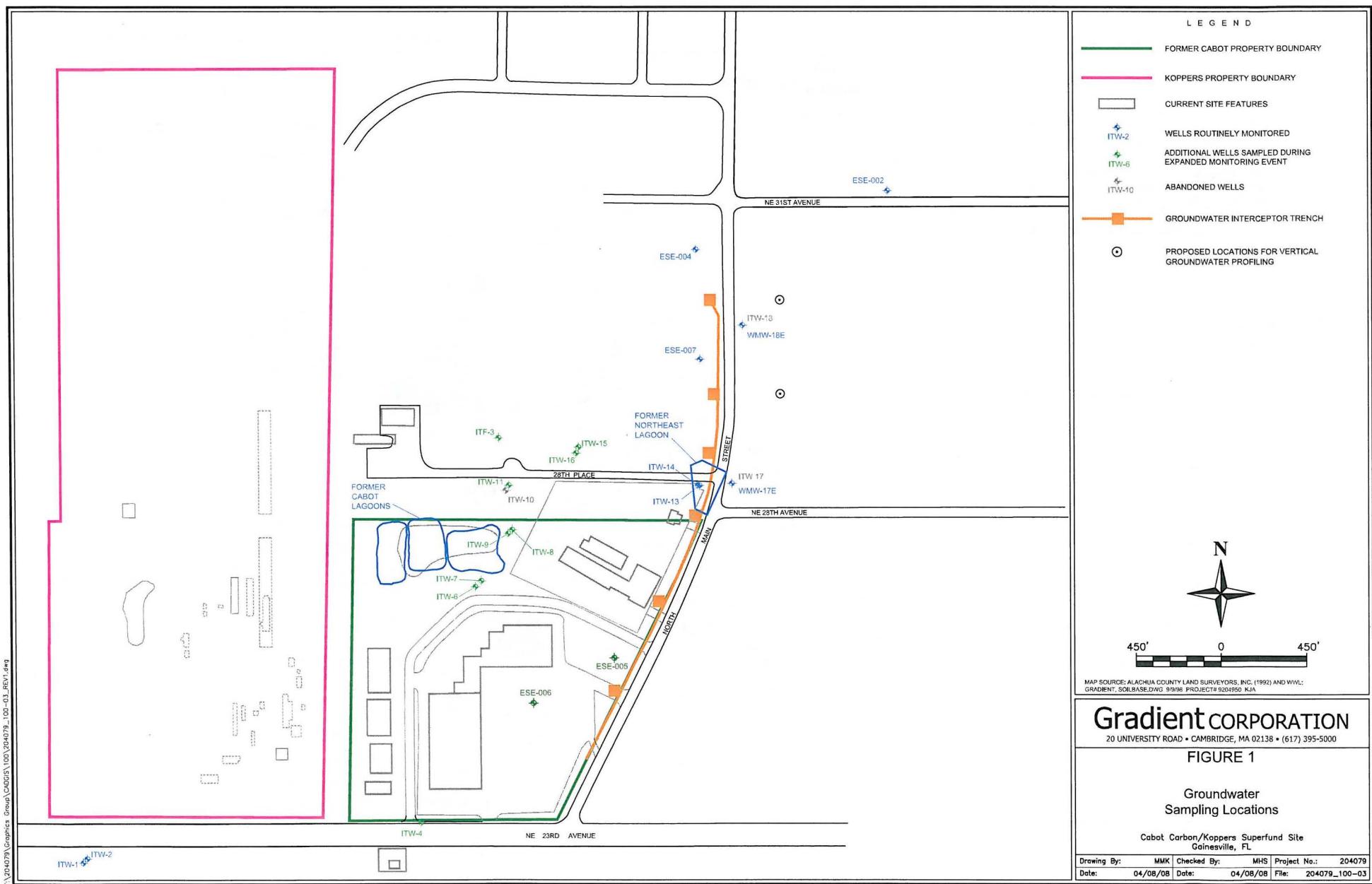
a - ITF-3 was re-sampled in August 2008 due to the presence of sediments in the well during the June 2008 sampling event.

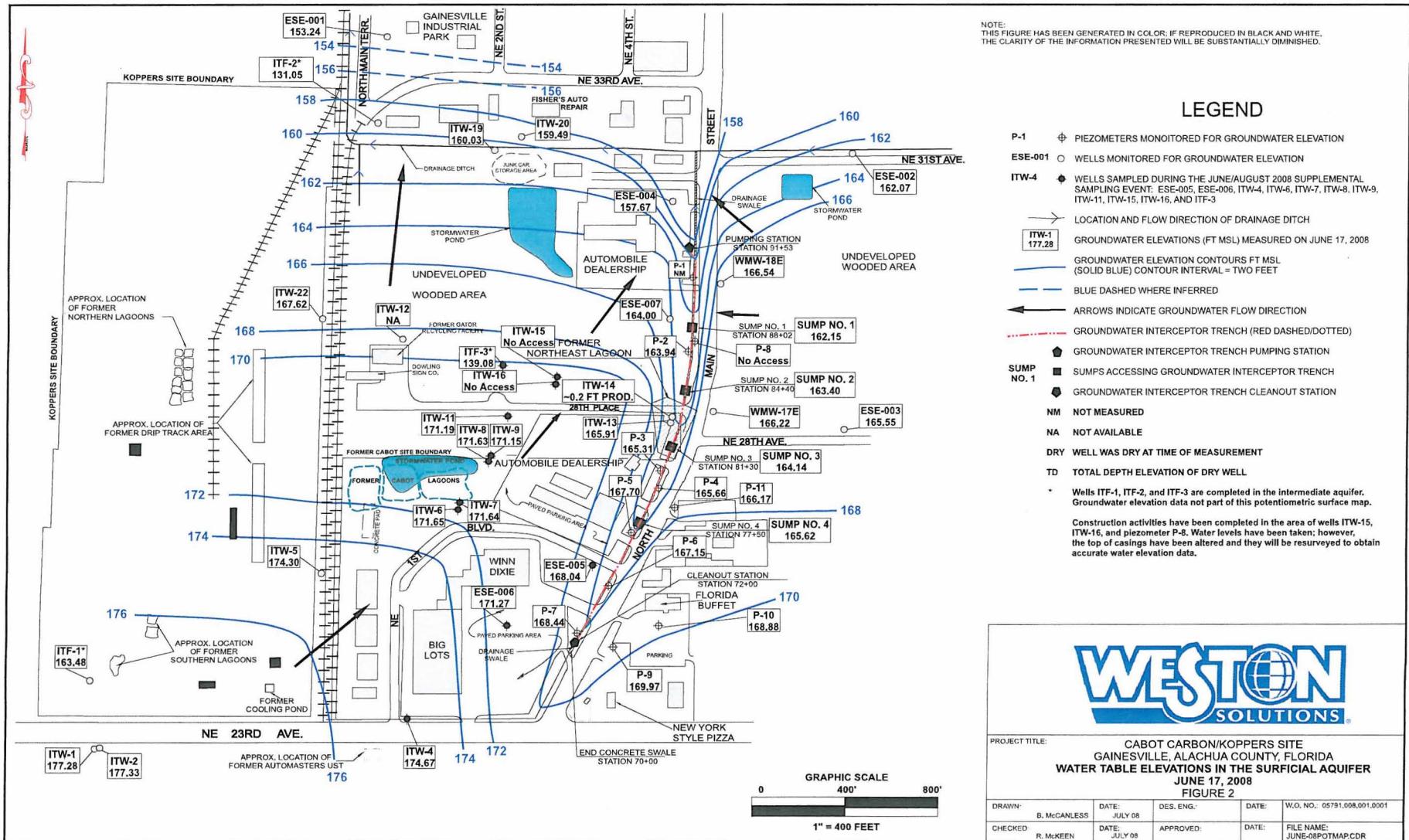
Table 3-2
Groundwater Quality Data - June-August 2008
Terpenes and Terpenoids
Cabot Carbon/Koppers Superfund Site

Well Designation	Compound	Concentration ($\mu\text{g/L}$)
ITF-3	All Compounds	ND
ITW-4	All Compounds	ND
ITW-8	Camphor	840
	Cineole	43
ITW-9	Camphor	2,400
	Cineole	55
ITW-11	All Compounds	ND

Note:

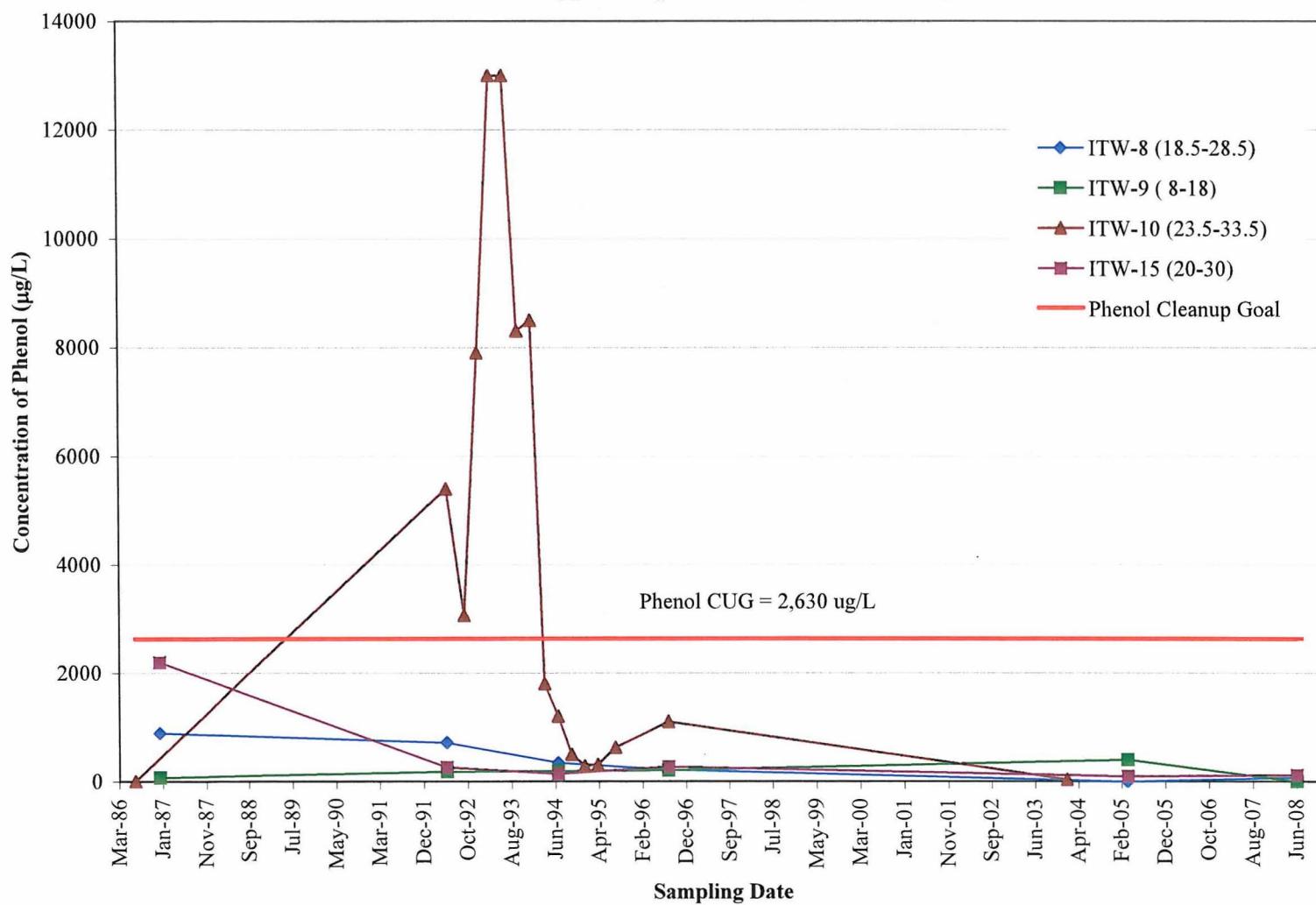
ND-Non-detect





K:\05791\008\Q208\2ndQtrExpandedSampling\June-08Potmap.CDR, 2FT Contours

Figure 3
Phenol Concentrations in Groundwater Over Time
Cabot Carbon/Koppers Superfund Site, Gainesville, Florida



Appendix A
Surficial and Intermediate Aquifer Purge Data
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Supplemental Extended Sampling
Purge - June 23, 24, 26, 2008
Sample - June 24, 25, 26, 2008

WELL ID	Purge/Sample Dates	Time	VOLUME (GAL)	TEMPERATURE (°C)	pH	SPECIFIC CONDUCTANCE (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	ODOR YES/NO	PURGE DRY YES/NO
ESE-005	Purge; 6/23/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ESE-005	Purge; 6/23/08	1627	25	25.01	5.68	181	1.00	26.80		
ESE-005	Purge; 6/23/08	1629	30	24.24	5.59	179	1.84	18.90		
ESE-005	Purge; 6/23/08	1633	35	23.95	5.60	180	1.53	14.00		
ESE-005	Purge; 6/23/08	1636	40	23.92	5.63	183	1.48	11.60		
ESE-005	Purge; 6/23/08	1638	45	23.86	5.62	183	1.45	10.04		
ESE-005	Purge; 6/23/08	1641	50	23.87	5.63	185	1.42	8.51	NO	NO
ESE-005	Sample; 6/24/08	0845	NA	24.76	5.07	86	1.70	13.70		
ESE-006	Purge; 6/23/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ESE-006	Purge; 6/23/08	1535	25	28.98	5.72	138	0.90	144.00		
ESE-006	Purge; 6/23/08	1537	30	28.51	5.71	131	1.87	68.80		
ESE-006	Purge; 6/23/08	1538	35	28.43	5.69	131	1.92	42.60		
ESE-006	Purge; 6/23/08	1540	40	28.39	5.68	132	1.71	28.80		
ESE-006	Purge; 6/23/08	1543	45	28.40	5.69	131	1.71	19.60	Possible tar	NO
ESE-006	Sample; 6/24/08	0840	NA	27.76	5.85	171	0.91	3.33		
ITW-4	Purge; 6/23/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ITW-4	Purge; 6/23/08	1430	25	26.37	6.11	251	6.60	5.58		
ITW-4	Purge; 6/23/08	1432	30	26.25	6.01	230	3.65	0.82		
ITW-4	Purge; 6/23/08	1435	35	26.18	5.99	228	2.95	0.49		
ITW-4	Purge; 6/23/08	1436	40	26.20	5.98	229	2.30	0.31	NO	NO
ITW-4	Sample; 6/24/08	0820	NA	25.87	5.94	245	1.43	2.10		
ITW-6	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ITW-6	Purge; 6/24/08	1050	25	23.22	4.94	63	2.07	1000+		
ITW-6	Purge; 6/24/08	1052	30	22.05	4.93	80	2.19	1000+		
ITW-6	Purge; 6/24/08	1054	35	22.02	4.93	71	2.13	1017.00		
ITW-6	Purge; 6/24/08	1056	40	21.90	4.85	68	2.55	717.00		
ITW-6	Purge; 6/24/08	1058	45	22.81	5.02	77	1.49	424.00	No odor, but foam	NO
ITW-6	Sample; 6/25/08	0745	NA	22.76	5.28	101	1.44	5.61		
ITW-7	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ITW-7	Purge; 6/24/08	1128	25	23.22	6.01	253	1.52	374.00		
ITW-7	Purge; 6/24/08	1130	30	22.73	6.02	254	1.72	48.90		
ITW-7	Purge; 6/24/08	1132	35	22.63	6.02	254	1.74	15.10		
ITW-7	Purge; 6/24/08	1134	40	22.68	5.98	253	1.17	7.89		
ITW-7	Purge; 6/24/08	1136	45	22.90	5.99	253	1.28	4.77	NO	NO
ITW-7	Sample; 6/25/08	0805	NA	23.98	6.18	345	1.41	0.67		
ITW-8	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ITW-8	Purge; 6/24/08	1301	25	24.23	4.73	42	2.95	479.00		
ITW-8	Purge; 6/24/08	1303	30	23.16	4.52	43	2.05	309.00		
ITW-8	Purge; 6/24/08	1305	35	23.05	4.48	48	1.51	191.00		
ITW-8	Purge; 6/24/08	1307	40	22.97	4.27	49	1.71	112.00		
ITW-8	Purge; 6/24/08	1309	45	22.96	4.23	47	1.76	91.40		
ITW-8	Purge; 6/24/08	1310	50	22.99	4.17	45	1.45	72.40	NO	NO
ITW-8	Sample; 6/25/08	0830	NA	24.71	4.90	66	1.16	18.70		
ITW-9	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings								
ITW-9	Purge; 6/24/08	1221	25	23.62	4.75	80	2.18	181.00		
ITW-9	Purge; 6/24/08	1223	30	23.22	4.58	71	1.65	86.80		
ITW-9	Purge; 6/24/08	1225	35	23.24	4.51	69	1.97	52.60		
ITW-9	Purge; 6/24/08	1227	40	23.13	4.44	73	1.69	43.50		
ITW-9	Purge; 6/24/08	1229	45	23.27	4.53	75	1.67	35.50	No odor, but foam	NO
ITW-9	Sample; 6/25/08	0850	NA	24.36	4.45	68	1.56	2.20		

Appendix A
Surficial and Intermediate Aquifer Purge Data
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Supplemental Extended Sampling
Purge - June 23, 24, 26, 2008
Sample - June 24, 25, 26, 2008

WELL ID	Purge/Sample Dates	Time	VOLUME (GAL)	TEMPERATURE (°C)	pH	SPECIFIC CONDUCTANCE (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	ODOR YES/NO	PURGE DRY YES/NO
ITW-11	Purge; 6/23/08	Well purged dry 1718-1722 at 2 gallons. Allowed to recharge.	No readings, but water was clear.						NO	NO
ITW-11	Purge; 6/23/08	Well purged dry 1735-1740 at 2 gallons. Allowed to recharge.	No readings, but water was clear.						NO	NO
ITW-11	Purge; 6/23/08	Well purged dry 1758-1800 at 1 gallon. Allowed to recharge.	No readings, but water was clear.						NO	NO
ITW-11	Purge; 6/23/08	Well purged dry 1828-1835 at 2 gallons. Allowed to recharge.	No readings, but water was clear.						NO	NO
ITW-11	Purge; 6/23/08	Well purged dry 1845-1850 at 2 gallons. Allowed to recharge.	No readings, but water was clear.						NO	NO
ITW-11	Sample; 6/24/08	0930	NA	25.50	6.19	534	1.64	33.20		
ITW-15	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings.								
ITW-15	Purge; 6/24/08	1540	25	24.44	6.11	434	1.98	38.50		
ITW-15	Purge; 6/24/08	1542	30	23.79	5.81	422	1.94	70.50		
ITW-15	Purge; 6/24/08	1545	35	23.68	5.72	374	1.53	180.00		
ITW-15	Purge; 6/24/08	1548	40	23.63	5.67	340	1.69	96.20	NO	NO
ITW-15	Sample; 6/25/08	0930	NA	26.39	5.69	424	0.93	21.80		
ITW-16	Purge; 6/24/08	Well was redeveloped initially by surging/purging approx. 20 gals with a submersible whale pump then taking field data readings.								
ITW-16	Purge; 6/24/08	1430	15	25.37	6.14	865	6.24	82.80		
ITW-16	Purge; 6/24/08	1444	20	24.76	6.08	835	2.43	52.90		
ITW-16	Purge; 6/24/08	1448	25	24.77	6.10	823	2.27	17.20		
ITW-16	Purge; 6/24/08	1453	30	24.72	6.10	830	2.12	13.00		
ITW-16	Purge; 6/24/08	1458	35	24.74	6.14	825	2.49	13.90		
ITW-16	Purge; 6/24/08	1503	40	24.95	6.16	831	2.25	26.40	No odor, but foam	NO
ITW-16	Sample; 6/25/08	0945	NA	26.18	6.15	839	1.02	19.90		
ITF-3	Purge; 6/26/08	Well was redeveloped initially by purging approx. 50 gals with a submersible whale pump then taking field data readings.								
ITF-3	Purge; 6/26/08	1255	50	24.62	7.05	353	2.07	4.40		
ITF-3	Purge; 6/26/08	1310	75	24.75	6.98	340	1.01	2.85		
ITF-3	Purge; 6/26/08	1335	100	24.69	6.96	344	0.83	2.92		
ITF-3	Purge; 6/26/08	1355	150	24.64	6.94	373	0.75	4.15		
ITF-3	Purge; 6/26/08	1420	200	24.60	6.96	368	0.88	2.27		
ITF-3	Purge; 6/26/08	1450	250	24.68	6.93	365	1.16	0.76	NO	NO
ITF-3	Sample; 6/26/08	1645	NA	24.87	6.87	382	0.99	1.75		

Additional Intermediate Aquifer (ITF-3) Purge Data
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Supplemental Extended Sampling
Purge - August 6, 2008
Sample - August 7, 2008

WELL ID	Purge/Sample Dates	Time	VOLUME (GAL)	TEMPERATURE (°C)	pH	SPECIFIC CONDUCTANCE (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	ODOR YES/NO	PURGE DRY YES/NO
ITF-3	Purge; 8/6/08	Well was redeveloped initially by purging approx. 50 gals with a submersible Monsoon pump then taking field data readings.								
ITF-3	Purge; 8/6/08	1139	50	25.29	6.96	391	1.09	37.50		
ITF-3	Purge; 8/6/08	1159	75	24.77	6.82	374	0.97	36.90		
ITF-3	Purge; 8/6/08	1214	100	24.54	6.73	397	0.89	37.60		
ITF-3	Purge; 8/6/08	1230	125	24.71	6.76	420	0.77	20.90		
ITF-3	Purge; 8/6/08	1249	150	24.44	6.68	435	0.86	7.64		
ITF-3	Purge; 8/6/08	1323	175	24.54	6.79	434	0.65	2.57	Possible slight organic odor	NO
ITF-3	Purge; 8/6/08	1339	200	24.35	6.73	441	0.79	1.69		
ITF-3	Sample; 8/7/08	1230	NA	24.67	6.76	433	1.55	1.23		

Notes: °C = degrees Celsius; µS/cm = microSeimens per centimeter; mg/L = milligrams per liter, parts per million;

NTU = Nephelometric Turbidity Units

Initial water level was approximately 40 feet below top of casing. Maximum draw down during purge was to approximately 54 feet below top of casing.

Used SS Monsoon submersible pump to remove silts and then used Grundfos after about 50 gallons and water clear.

1245-1310 Grundfos pump turned off to refuel generator. Approximate purge rate was 5 gallons/3 minutes or about 1.66 gallons per minute.

APPENDIX B

LABORATORY ANALYTICAL DATA PACKAGE

ANALYTICAL REPORT

Job Number: 680-37864-1

Job Description: Cabot

For:

Weston Solutions, Inc.
5430 Metric Place
Suite 100
Norcross, GA 30092

Attention: Mr. Ralph McKeen

Abbie Page

Abbie Page
Project Manager I
abbie.page@testamericainc.com
07/09/2008

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



**Job Narrative
680-J37864-1**

Comments

No additional comments.

Receipt

Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2):
DUPLICATE (680-37864-10), WMW-18E (680-37864-9).

Method(s) 8260B: The following sample(s) was received with headspace in the sample vial: WMW-18E (680-37864-9). All of the sample vials have headspace in them.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ESE-007 (680-37864-7), ITW-13 (680-37864-3), ITW-14 (680-37864-4). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: ESE-007 (680-37864-7), ITW-13 (680-37864-3), ITW-14 (680-37864-4).

No other analytical or quality issues were noted.

HPLC

Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: ITW-14.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

METHOD SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds by GC/MS Purge-and-Trap	TAL SAV TAL SAV	SW846 8260B SW846 5030B	
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	TAL SAV	SW846 8270C	
Polynuclear Aromatic Hydrocarbons Continuous Liquid-Liquid Extraction	TAL PEN TAL PEN	SW846 8310	SW846 3520C
Inductively Coupled Plasma - Atomic Emission Spectrometry Acid Digestion of Waters for Total Recoverable or	TAL SAV TAL SAV	SW846 6010B	SW846 3005A

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

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

SAMPLE SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-37864-1	ITW-1	Water	06/19/2008 0840	06/20/2008 1315
680-37864-2	ITW-2	Water	06/19/2008 0855	06/20/2008 1315
680-37864-3	ITW-13	Water	06/19/2008 1050	06/20/2008 1315
680-37864-4	ITW-14	Water	06/19/2008 1130	06/20/2008 1315
680-37864-5	ESE-002	Water	06/19/2008 0915	06/20/2008 1315
680-37864-6	ESE-004	Water	06/19/2008 0945	06/20/2008 1315
680-37864-7	ESE-007	Water	06/19/2008 1010	06/20/2008 1315
680-37864-8	WMW-17E	Water	06/19/2008 1150	06/20/2008 1315
680-37864-9	WMW-18E	Water	06/19/2008 1215	06/20/2008 1315
680-37864-10FD	DUPLICATE	Water	06/19/2008 0000	06/20/2008 1315
680-37864-11EB	EQUIPMENT BLANK	Water	06/19/2008 1110	06/20/2008 1315
680-37864-12TB	TB-01	Water	06/19/2008 0000	06/20/2008 1315

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-1

Lab Sample ID: 680-37864-1

Date Sampled: 06/19/2008 0840

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0770.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0111			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0111				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	93	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-2

Lab Sample ID: 680-37864-2

Date Sampled: 06/19/2008 0855

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0771.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0131			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0131				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	75 - 120
Dibromofluoromethane	105	75 - 121
Toluene-d8 (Surr)	94	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-13

Lab Sample ID: 680-37864-3

Date Sampled: 06/19/2008 1050

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0772.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0150			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0150				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	73		5.0
Ethylbenzene	320		5.0
Methyl tert-butyl ether	<50		50
Toluene	320		5.0
Xylenes, Total	200		10
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	107		75 - 120
Dibromofluoromethane	100		75 - 121
Toluene-d8 (Surf)	91		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-14

Lab Sample ID: 680-37864-4

Date Sampled: 06/19/2008 1130

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0773.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0210			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0210				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	28		5.0
Ethylbenzene	120		5.0
Methyl tert-butyl ether	<50		50
Toluene	430		5.0
Xylenes, Total	380		10
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	108		75 - 120
Dibromofluoromethane	102		75 - 121
Toluene-d8 (Surr)	95		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-002

Lab Sample ID: 680-37864-5

Client Matrix: Water

Date Sampled: 06/19/2008 0915

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0774.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0229			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0229				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	95		75 - 121
Toluene-d8 (Surr)	103		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-004

Lab Sample ID: 680-37864-6

Date Sampled: 06/19/2008 0945

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0775.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0248			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0248				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	92	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-007

Lab Sample ID: 680-37864-7

Date Sampled: 06/19/2008 1010

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0776.d
Dilution:	2.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0308			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0308				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	11		2.0
Ethylbenzene	40		2.0
Methyl tert-butyl ether	<20		20
Toluene	170		2.0
Xylenes, Total	44		4.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	75 - 120
Dibromofluoromethane	102	75 - 121
Toluene-d8 (Surr)	91	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-17E

Lab Sample ID: 680-37864-8

Date Sampled: 06/19/2008 1150

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0777.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0327			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0327				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	75 - 120
Dibromofluoromethane	106	75 - 121
Toluene-d8 (Surr)	92	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-18E

Lab Sample ID: 680-37864-9

Client Matrix: Water

Date Sampled: 06/19/2008 1215

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0778.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0347			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0347				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	92		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: DUPLICATE

Lab Sample ID: 680-37864-10FD

Date Sampled: 06/19/2008 0000

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0779.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0406			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0406				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	75 - 120
Dibromofluoromethane	105	75 - 121
Toluene-d8 (Surr)	93	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 680-37864-11EB

Date Sampled: 06/19/2008 1110

Client Matrix: Water

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0768.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0033			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0033				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	91		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: TB-01

Lab Sample ID: 680-37864-12TB

Client Matrix: Water

Date Sampled: 06/19/2008 0000

Date Received: 06/20/2008 1315

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110631	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0767.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 0013			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 0013				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	91		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-1

Lab Sample ID: 680-37864-1

Date Sampled: 06/19/2008 0840

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0034.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	06/26/2008 1729	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	68	38 - 116	
2-Fluorophenol	61	36 - 110	
2,4,6-Tribromophenol	93	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-2

Lab Sample ID: 680-37864-2

Date Sampled: 06/19/2008 0855

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0035.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	06/26/2008 1752	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	81	38 - 116	
2-Fluorophenol	73	36 - 110	
2,4,6-Tribromophenol	101	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-13

Lab Sample ID: 680-37864-3

Date Sampled: 06/19/2008 1050

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-110681	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch:	680-109770	Lab File ID:	g3020.d
Dilution:	50			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/02/2008 1950			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	8300		470
2,4-Dimethylphenol	2400		470
Pentachlorophenol	<2400		2400

Surrogate	%Rec	Acceptance Limits
Phenol-d5	0	38 - 116
2-Fluorophenol	0	36 - 110
2,4,6-Tribromophenol	0	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-14

Lab Sample ID: 680-37864-4

Date Sampled: 06/19/2008 1130

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-110716	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch:	680-109770	Lab File ID:	g3045b.d
Dilution:	100			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/03/2008 1723			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<940		940
2,4-Dimethylphenol	6100		940
Pentachlorophenol	<4700		4700

Surrogate	%Rec		Acceptance Limits
Phenol-d5	0	D	38 - 116
2-Fluorophenol	0	D	36 - 110
2,4,6-Tribromophenol	0	D	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-002

Lab Sample ID: 680-37864-5

Date Sampled: 06/19/2008 0915

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-110447	Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch:	680-109770	Lab File ID:	n0038.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	06/26/2008 1902			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	71	38 - 116	
2-Fluorophenol	64	36 - 110	
2,4,6-Tribromophenol	91	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-004

Lab Sample ID: 680-37864-6

Client Matrix: Water

Date Sampled: 06/19/2008 0945

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0039.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	06/26/2008 1925	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47

Surrogate	%Rec	Acceptance Limits
Phenol-d5	76	38 - 116
2-Fluorophenol	69	36 - 110
2,4,6-Tribromophenol	89	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-007

Lab Sample ID: 680-37864-7

Client Matrix: Water

Date Sampled: 06/19/2008 1010

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-110716	Instrument ID:	GC/MS SemiVolatile - G
Preparation:	3520C	Prep Batch:	680-109770	Lab File ID:	g3046.d
Dilution:	20			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/03/2008 1555			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	2700		190
2,4-Dimethylphenol	500		190
Pentachlorophenol	<940		940
Surrogate	%Rec		Acceptance Limits
Phenol-d5	0	D	38 - 116
2-Fluorophenol	0	D	36 - 110
2,4,6-Tribromophenol	0	D	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-17E

Lab Sample ID: 680-37864-8

Date Sampled: 06/19/2008 1150

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0041.d
Dilution:	1.0	Initial Weight/Volume:	1030 mL
Date Analyzed:	06/26/2008 2012	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2008 1432	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.7		9.7
2,4-Dimethylphenol	<9.7		9.7
Pentachlorophenol	<49		49

Surrogate	%Rec	Acceptance Limits
Phenol-d5	85	38 - 116
2-Fluorophenol	78	36 - 110
2,4,6-Tribromophenol	97	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-18E

Lab Sample ID: 680-37864-9

Client Matrix: Water

Date Sampled: 06/19/2008 1215

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0042.d
Dilution:	1.0		Initial Weight/Volume: 1060 mL
Date Analyzed:	06/26/2008 2035		Final Weight/Volume: 1 mL
Date Prepared:	06/24/2008 1432		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	83	38 - 116	
2-Fluorophenol	72	36 - 110	
2,4,6-Tribromophenol	92	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: DUPLICATE

Lab Sample ID: 680-37864-10FD

Date Sampled: 06/19/2008 0000

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0043.d
Dilution:	1.0		Initial Weight/Volume: 1060 mL
Date Analyzed:	06/26/2008 2058		Final Weight/Volume: 1 mL
Date Prepared:	06/24/2008 1432		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	81	38 - 116	
2-Fluorophenol	77	36 - 110	
2,4,6-Tribromophenol	99	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 680-37864-11EB

Date Sampled: 06/19/2008 1110

Client Matrix: Water

Date Received: 06/20/2008 1315

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-110447	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-109770	Lab File ID: n0044.d
Dilution:	1.0	Initial Weight/Volume: 1060 mL	Final Weight/Volume: 1 mL
Date Analyzed:	06/26/2008 2122	Injection Volume: 1.0 uL	
Date Prepared:	06/24/2008 1432		

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	77	38 - 116	
2-Fluorophenol	72	36 - 110	
2,4,6-Tribromophenol	91	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-1

Lab Sample ID: 680-37864-1

Date Sampled: 06/19/2008 0840

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	008-0801.D
Dilution:	1.0			Initial Weight/Volume:	1070 mL
Date Analyzed:	06/25/2008 2014			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzol[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate		%Rec	Acceptance Limits
2-Chloroanthracene		50	43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-2

Lab Sample ID: 680-37864-2

Date Sampled: 06/19/2008 0855

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	009-0901.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/25/2008 2048			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate		Acceptance Limits	
2-Chloroanthracene	68		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-13

Lab Sample ID: 680-37864-3

Date Sampled: 06/19/2008 1050

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	010-1001.D
Dilution:	10			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/25/2008 2121			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.3		9.3
Acenaphthylene	<9.3		9.3
Anthracene	<9.3		9.3
Benzo[a]anthracene	<1.9		1.9
Benzo[a]pyrene	<1.9		1.9
Benzo[b]fluoranthene	<1.9		1.9
Benzo[g,h,i]perylene	<9.3		9.3
Benzo[k]fluoranthene	<4.6		4.6
Chrysene	<9.3		9.3
Dibenz(a,h)anthracene	<1.9		1.9
Fluoranthene	<9.3		9.3
Fluorene	<9.3		9.3
Indeno[1,2,3-cd]pyrene	<1.9		1.9
1-Methylnaphthalene	<9.3		9.3
2-Methylnaphthalene	<9.3		9.3
Naphthalene	38		9.3
Phenanthrene	<9.3		9.3
Pyrene	<9.3		9.3
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	114		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-14

Lab Sample ID: 680-37864-4

Date Sampled: 06/19/2008 1130

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	011-1101.D
Dilution:	10			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/25/2008 2155			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.3		9.3
Acenaphthylene	260		9.3
Anthracene	<9.3		9.3
Benzo[a]anthracene	<1.9		1.9
Benzo[a]pyrene	<1.9		1.9
Benzo[b]fluoranthene	13	P	1.9
Benzo[g,h,i]perylene	<9.3		9.3
Benzo[k]fluoranthene	<4.6		4.6
Chrysene	16	P	9.3
Dibenz(a,h)anthracene	<1.9		1.9
Fluoranthene	79	P	9.3
Fluorene	36	P	9.3
Indeno[1,2,3-cd]pyrene	<1.9		1.9
1-Methylnaphthalene	150		9.3
2-Methylnaphthalene	130	P	9.3
Naphthalene	260		9.3
Phenanthrene	15	P	9.3
Pyrene	<9.3		9.3
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	403	X	43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-002

Lab Sample ID: 680-37864-5

Client Matrix: Water

Date Sampled: 06/19/2008 0915

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	012-1201.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/25/2008 2229			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	20		0.93
Acenaphthylene	<0.93		0.93
Anthracene	2.3	P	0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	9.1	P	0.93
Fluorene	11		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	2.4	P	0.93
2-Methylnaphthalene	11		0.93
Naphthalene	2.6		0.93
Phenanthrene	21		0.93
Pyrene	4.2		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	73		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-004

Lab Sample ID: 680-37864-6

Date Sampled: 06/19/2008 0945

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	013-1401.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/25/2008 2336			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	65		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-007

Lab Sample ID: 680-37864-7

Date Sampled: 06/19/2008 1010

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	014-1501.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	06/26/2008 0010			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.94		0.94
Acenaphthylene	<0.94		0.94
Anthracene	<0.94		0.94
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.94		0.94
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.94		0.94
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.94		0.94
Fluorene	<0.94		0.94
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	1.9		0.94
2-Methylnaphthalene	1.4		0.94
Naphthalene	7.5		0.94
Phenanthrene	<0.94		0.94
Pyrene	<0.94		0.94
Surrogate		Acceptance Limits	
2-Chloroanthracene	50		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-17E

Lab Sample ID: 680-37864-8

Date Sampled: 06/19/2008 1150

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch: 400-71951	Instrument ID: HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch: 400-71691	Lab File ID: 015-1601.D
Dilution:	1.0		Initial Weight/Volume: 1080 mL
Date Analyzed:	06/26/2008 0044		Final Weight/Volume: 1.0 mL
Date Prepared:	06/24/2008 1430		Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	2.0		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	2.5		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate		Acceptance Limits	
2-Chloroanthracene	59	43 - 151	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-18E

Lab Sample ID: 680-37864-9

Date Sampled: 06/19/2008 1215

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	016-1701.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/26/2008 0117			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	51		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: DUPLICATE

Lab Sample ID: 680-37864-10FD

Date Sampled: 06/19/2008 0000

Client Matrix: Water

Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	017-1801.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/26/2008 0151			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	49		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-6

Lab Sample ID: 680-37991-2

Date Sampled: 06/25/2008 0745

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111080	Instrument ID: GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch: 680-110402	Lab File ID: g3102.d
Dilution:	1.0	Initial Weight/Volume:	1030 mL
Date Analyzed:	07/08/2008 1702	Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.7		9.7
2,4-Dimethylphenol	110		9.7
Pentachlorophenol	<49		49
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	68	38 - 116	
2-Fluorophenol	62	36 - 110	
2,4,6-Tribromophenol	80	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-7

Lab Sample ID: 680-37991-3

Date Sampled: 06/25/2008 0805

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-111163	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch:	680-110402	Lab File ID:	g3154.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/10/2008 1211			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	68	38 - 116	
2-Fluorophenol	61	36 - 110	
2,4,6-Tribromophenol	81	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-8

Lab Sample ID: 680-37991-4

Date Sampled: 06/25/2008 0830

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111313	Instrument ID: GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch: 680-110402	Lab File ID: n0140a.d
Dilution:	2.0		Initial Weight/Volume: 1060 mL
Date Analyzed:	07/11/2008 1453		Final Weight/Volume: 1 mL
Date Prepared:	07/01/2008 1353		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	82		19
2,4-Dimethylphenol	240		19
Pentachlorophenol	<94		94
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	64	38 - 116	
2-Fluorophenol	55	36 - 110	
2,4,6-Tribromophenol	71	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-9

Lab Sample ID: 680-37991-5

Date Sampled: 06/25/2008 0850

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-111313	Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3520C	Prep Batch:	680-110402	Lab File ID:	n0170.d
Dilution:	20			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/11/2008 1741			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<190		190
2,4-Dimethylphenol	1000		190
Pentachlorophenol	<940		940
Surrogate	%Rec		Acceptance Limits
Phenol-d5	0	D	38 - 116
2-Fluorophenol	0	D	36 - 110
2,4,6-Tribromophenol	0	D	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-11

Lab Sample ID: 680-37991-6

Date Sampled: 06/24/2008 0930

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111234	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-110280	Lab File ID: t0309.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	07/10/2008 1915	Final Weight/Volume:	1 mL
Date Prepared:	06/30/2008 1414	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	62	38 - 116	
2-Fluorophenol	61	36 - 110	
2,4,6-Tribromophenol	90	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-15

Lab Sample ID: 680-37991-7

Date Sampled: 06/25/2008 0930

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111043	Instrument ID: GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch: 680-110402	Lab File ID: g3115.d
Dilution:	1.0	Initial Weight/Volume:	1030 mL
Date Analyzed:	07/09/2008 1535	Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	120		9.7
2,4-Dimethylphenol	39		9.7
Pentachlorophenol	<49		49
Surrogate	%Rec		Acceptance Limits
Phenol-d5	72		38 - 116
2-Fluorophenol	66		36 - 110
2,4,6-Tribromophenol	77		40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-16

Lab Sample ID: 680-37991-8

Date Sampled: 06/25/2008 0945

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111080	Instrument ID: GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch: 680-110402	Lab File ID: g3101.d
Dilution:	1.0	Initial Weight/Volume:	1030 mL
Date Analyzed:	07/08/2008 1640	Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.7		9.7
2,4-Dimethylphenol	<9.7		9.7
Pentachlorophenol	<49		49
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	79	38 - 116	
2-Fluorophenol	71	36 - 110	
2,4,6-Tribromophenol	89	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-005

Lab Sample ID: 680-37991-9

Date Sampled: 06/24/2008 0845

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111234	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-110280	Lab File ID: t0310.d
Dilution:	1.0	Initial Weight/Volume: 1060 mL	Final Weight/Volume: 1 mL
Date Analyzed:	07/10/2008 1939	Injection Volume: 1.0 uL	
Date Prepared:	06/30/2008 1414		

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	31		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	65	38 - 116	
2-Fluorophenol	58	36 - 110	
2,4,6-Tribromophenol	94	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-006

Lab Sample ID: 680-37991-10

Date Sampled: 06/24/2008 0905

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111234	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-110280	Lab File ID: t0311.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	07/10/2008 2004	Final Weight/Volume:	1 mL
Date Prepared:	06/30/2008 1414	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47

Surrogate	%Rec	Acceptance Limits
Phenol-d5	59	38 - 116
2-Fluorophenol	52	36 - 110
2,4,6-Tribromophenol	92	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: Duplicate

Lab Sample ID: 680-37991-11FD

Date Sampled: 06/25/2008 0000

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111080	Instrument ID: GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch: 680-110402	Lab File ID: g3107.d
Dilution:	1.0	Initial Weight/Volume:	1060 mL
Date Analyzed:	07/08/2008 1853	Final Weight/Volume:	1 mL
Date Prepared:	07/01/2008 1353	Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	110		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	61	38 - 116	
2-Fluorophenol	56	36 - 110	
2,4,6-Tribromophenol	76	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-4

Lab Sample ID: 680-37991-1

Date Sampled: 06/24/2008 0820

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	031-3301.D
Dilution:	1.0			Initial Weight/Volume:	1070 mL
Date Analyzed:	07/02/2008 1030			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	47		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-6

Lab Sample ID: 680-37991-2

Date Sampled: 06/25/2008 0745

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	032-3401.D
Dilution:	5.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	07/02/2008 1104			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	40		4.6
Acenaphthylene	<4.6		4.6
Anthracene	<4.6		4.6
Benzo[a]anthracene	<0.93		0.93
Benzo[a]pyrene	<0.93		0.93
Benzo[b]fluoranthene	<0.93		0.93
Benzo[g,h,i]perylene	<4.6		4.6
Benzo[k]fluoranthene	<2.3		2.3
Chrysene	<4.6		4.6
Dibenz(a,h)anthracene	<0.93		0.93
Fluoranthene	<4.6		4.6
Fluorene	13	P	4.6
Indeno[1,2,3-cd]pyrene	<0.93		0.93
1-Methylnaphthalene	46	P	4.6
2-Methylnaphthalene	45		4.6
Naphthalene	250		4.6
Phenanthrene	<4.6		4.6
Pyrene	<4.6		4.6
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	73		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-7

Lab Sample ID: 680-37991-3

Date Sampled: 06/25/2008 0805

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method: 8310
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 07/02/2008 1211
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440

Prep Batch: 400-71969

Instrument ID: HPLC/UV/FLUOR

Lab File ID: 033-3601.D

Initial Weight/Volume: 1070 mL

Final Weight/Volume: 1.0 mL

Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	71		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-8

Lab Sample ID: 680-37991-4

Date Sampled: 06/25/2008 0830

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch: 400-72440	Instrument ID: HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch: 400-71969	Lab File ID: 034-3701.D
Dilution:	10		Initial Weight/Volume: 1060 mL
Date Analyzed:	07/02/2008 1245		Final Weight/Volume: 1.0 mL
Date Prepared:	06/30/2008 0751		Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.4		9.4
Acenaphthylene	<9.4		9.4
Anthracene	<9.4		9.4
Benzo[a]anthracene	<1.9		1.9
Benzo[a]pyrene	<1.9		1.9
Benzo[b]fluoranthene	<1.9		1.9
Benzo[g,h,i]perylene	<9.4		9.4
Benzo[k]fluoranthene	<4.7		4.7
Chrysene	<9.4		9.4
Dibenz(a,h)anthracene	<1.9		1.9
Fluoranthene	<9.4		9.4
Fluorene	<9.4		9.4
Indeno[1,2,3-cd]pyrene	<1.9		1.9
1-Methylnaphthalene	<9.4		9.4
2-Methylnaphthalene	<9.4		9.4
Naphthalene	<9.4		9.4
Phenanthrene	<9.4		9.4
Pyrene	<9.4		9.4
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	90		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-9

Lab Sample ID: 680-37991-5

Date Sampled: 06/25/2008 0850

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	035-3801.D
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	07/02/2008 1319			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.5		9.5
Acenaphthylene	<9.5		9.5
Anthracene	<9.5		9.5
Benzo[a]anthracene	<1.9		1.9
Benzo[a]pyrene	<1.9		1.9
Benzo[b]fluoranthene	<1.9		1.9
Benzo[g,h,i]perylene	<9.5		9.5
Benzo[k]fluoranthene	<4.8		4.8
Chrysene	<9.5		9.5
Dibenz(a,h)anthracene	<1.9		1.9
Fluoranthene	<9.5		9.5
Fluorene	<9.5		9.5
Indeno[1,2,3-cd]pyrene	<1.9		1.9
1-Methylnaphthalene	<9.5		9.5
2-Methylnaphthalene	<9.5		9.5
Naphthalene	<9.5		9.5
Phenanthrene	<9.5		9.5
Pyrene	<9.5		9.5
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	80		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-11

Lab Sample ID: 680-37991-6

Date Sampled: 06/24/2008 0930

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method: 8310
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 07/02/2008 1352
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440

Prep Batch: 400-71969

Instrument ID: HPLC/UV/FLUOR

Lab File ID: 036-3901.D

Initial Weight/Volume: 1050 mL

Final Weight/Volume: 1.0 mL

Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<4.8		4.8
Acenaphthylene	<4.8		4.8
Anthracene	<4.8		4.8
Benzo[a]anthracene	<0.95		0.95
Benzo[a]pyrene	<0.95		0.95
Benzo[b]fluoranthene	<0.95		0.95
Benzo[g,h,i]perylene	<4.8		4.8
Benzo[k]fluoranthene	<2.4		2.4
Chrysene	<4.8		4.8
Dibenz(a,h)anthracene	<0.95		0.95
Fluoranthene	<4.8		4.8
Fluorene	<4.8		4.8
Indeno[1,2,3-cd]pyrene	<0.95		0.95
1-Methylnaphthalene	<4.8		4.8
2-Methylnaphthalene	<4.8		4.8
Naphthalene	<4.8		4.8
Phenanthrene	<4.8		4.8
Pyrene	<4.8		4.8
Surrogate	%Rec	Acceptance Limits	
2-Chloroanthracene	78	43 - 151	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-15

Lab Sample ID: 680-37991-7

Date Sampled: 06/25/2008 0930

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	037-4001.D
Dilution:	5.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/02/2008 1426			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<4.7		4.7
Acenaphthylene	<4.7		4.7
Anthracene	<4.7		4.7
Benzo[a]anthracene	<0.94		0.94
Benzo[a]pyrene	<0.94		0.94
Benzo[b]fluoranthene	<0.94		0.94
Benzo[g,h,i]perylene	<4.7		4.7
Benzo[k]fluoranthene	<2.4		2.4
Chrysene	<4.7		4.7
Dibenz(a,h)anthracene	<0.94		0.94
Fluoranthene	<4.7		4.7
Fluorene	<4.7		4.7
Indeno[1,2,3-cd]pyrene	<0.94		0.94
1-Methylnaphthalene	<4.7		4.7
2-Methylnaphthalene	<4.7		4.7
Naphthalene	<4.7		4.7
Phenanthrene	<4.7		4.7
Pyrene	<4.7		4.7
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	65		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-16

Lab Sample ID: 680-37991-8

Date Sampled: 06/25/2008 0945

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	038-4101.D
Dilution:	5.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	07/02/2008 1500			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<4.9		4.9
Acenaphthylene	<4.9		4.9
Anthracene	<4.9		4.9
Benzo[a]anthracene	<0.97		0.97
Benzo[a]pyrene	<0.97		0.97
Benzo[b]fluoranthene	<0.97		0.97
Benzo[g,h,i]perylene	<4.9		4.9
Benzo[k]fluoranthene	<2.4		2.4
Chrysene	<4.9		4.9
Dibenz(a,h)anthracene	<0.97		0.97
Fluoranthene	<4.9		4.9
Fluorene	<4.9		4.9
Indeno[1,2,3-cd]pyrene	<0.97		0.97
1-Methylnaphthalene	<4.9		4.9
2-Methylnaphthalene	<4.9		4.9
Naphthalene	6.7		4.9
Phenanthrene	<4.9		4.9
Pyrene	<4.9		4.9
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	69		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-005

Lab Sample ID: 680-37991-9

Date Sampled: 06/24/2008 0845

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	039-4201.D
Dilution:	5.0			Initial Weight/Volume:	1070 mL
Date Analyzed:	07/02/2008 1533			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<4.7		4.7
Acenaphthylene	<4.7		4.7
Anthracene	<4.7		4.7
Benzo[a]anthracene	<0.93		0.93
Benzo[a]pyrene	<0.93		0.93
Benzo[b]fluoranthene	<0.93		0.93
Benzo[g,h,i]perylene	<4.7		4.7
Benzo[k]fluoranthene	<2.3		2.3
Chrysene	<4.7		4.7
Dibenz(a,h)anthracene	<0.93		0.93
Fluoranthene	<4.7		4.7
Fluorene	<4.7		4.7
Indeno[1,2,3-cd]pyrene	<0.93		0.93
1-Methylnaphthalene	<4.7		4.7
2-Methylnaphthalene	<4.7		4.7
Naphthalene	<4.7		4.7
Phenanthrene	<4.7		4.7
Pyrene	<4.7		4.7
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	82		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-006

Lab Sample ID: 680-37991-10

Date Sampled: 06/24/2008 0905

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	040-4301.D
Dilution:	5.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	07/02/2008 1607			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	7.2	P	4.6
Acenaphthylene	<4.6		4.6
Anthracene	<4.6		4.6
Benzo[a]anthracene	<0.93		0.93
Benzo[a]pyrene	<0.93		0.93
Benzo[b]fluoranthene	<0.93		0.93
Benzo[g,h,i]perylene	<4.6		4.6
Benzo[k]fluoranthene	<2.3		2.3
Chrysene	<4.6		4.6
Dibenz(a,h)anthracene	<0.93		0.93
Fluoranthene	28	P	4.6
Fluorene	<4.6		4.6
Indeno[1,2,3-cd]pyrene	<0.93		0.93
1-Methylnaphthalene	70		4.6
2-Methylnaphthalene	53		4.6
Naphthalene	63	P	4.6
Phenanthrene	20		4.6
Pyrene	<4.6		4.6
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	107		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 680-37864-11EB
Client Matrix: Water

Date Sampled: 06/19/2008 1110
Date Received: 06/20/2008 1315

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-71951	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71691	Lab File ID:	018-1901.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	06/26/2008 0225			Final Weight/Volume:	1.0 mL
Date Prepared:	06/24/2008 1430			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	100		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-1

Lab Sample ID: 680-37864-1
Client Matrix: Water

Date Sampled: 06/19/2008 0840
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-109797	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0322		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-2

Lab Sample ID: 680-37864-2
Client Matrix: Water

Date Sampled: 06/19/2008 0855
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0359			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-13

Lab Sample ID: 680-37864-3
Client Matrix: Water

Date Sampled: 06/19/2008 1050
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0404			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ITW-14

Lab Sample ID: 680-37864-4
Client Matrix: Water

Date Sampled: 06/19/2008 1130
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0409			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-002

Lab Sample ID: 680-37864-5
Client Matrix: Water

Date Sampled: 06/19/2008 0915
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-109797	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0415		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-004

Lab Sample ID: 680-37864-6
Client Matrix: Water

Date Sampled: 06/19/2008 0945
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0420			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: ESE-007

Lab Sample ID: 680-37864-7
Client Matrix: Water

Date Sampled: 06/19/2008 1010
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-109797	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0425		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-17E

Lab Sample ID: 680-37864-8
Client Matrix: Water

Date Sampled: 06/19/2008 1150
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0430			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: WMW-18E

Lab Sample ID: 680-37864-9
Client Matrix: Water

Date Sampled: 06/19/2008 1215
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-109797	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0436		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: DUPLICATE

Lab Sample ID: 680-37864-10FD
Client Matrix: Water

Date Sampled: 06/19/2008 0000
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-109797	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0441			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 680-37864-11EB
Client Matrix: Water

Date Sampled: 06/19/2008 1110
Date Received: 06/20/2008 1315

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110038	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-109797	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/26/2008 0446		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2008 1130			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

DATA REPORTING QUALIFIERS

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
HPLC	X	Surrogate exceeds the control limits
	P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Method Blank - Batch: 680-110631

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-110631/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 2323
Date Prepared: 07/02/2008 2323

Analysis Batch: 680-110631
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq611.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	91	75 - 120

Lab Control Spike - Batch: 680-110631

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-110631/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 2218
Date Prepared: 07/02/2008 2218

Analysis Batch: 680-110631
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq609.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	48.2	96	77 - 119	
Ethylbenzene	50.0	52.2	104	86 - 116	
Methyl tert-butyl ether	100	91.0	91	77 - 121	
Toluene	50.0	52.4	105	81 - 117	
Xylenes, Total	150	167	112	84 - 118	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	75 - 120
Dibromofluoromethane	111	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Method Blank - Batch: 680-109770

Method: 8270C

Preparation: 3520C

Lab Sample ID: MB 680-109770/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 1507
Date Prepared: 06/24/2008 1432

Analysis Batch: 680-110447
Prep Batch: 680-109770
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n0028.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	<10		10
2,4-Dimethylphenol	<10		10
Pentachlorophenol	<50		50
Surrogate	% Rec		Acceptance Limits
Phenol-d5	76		38 - 116
2-Fluorophenol	69		36 - 110
2,4,6-Tribromophenol	87		40 - 139

Lab Control Spike - Batch: 680-109770

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 680-109770/19-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 2208
Date Prepared: 06/24/2008 1432

Analysis Batch: 680-110447
Prep Batch: 680-109770
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n0046.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	80.3	80	39 - 110	
2,4-Dimethylphenol	100	72.0	72	36 - 110	
Pentachlorophenol	100	87.8	88	37 - 132	
Surrogate	% Rec		Acceptance Limits		
Phenol-d5	86		38 - 116		
2-Fluorophenol	78		36 - 110		
2,4,6-Tribromophenol	97		40 - 139		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Method Blank - Batch: 400-71691

Method: 8310
Preparation: 3520C

Lab Sample ID: MB 400-71691/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2008 1907
Date Prepared: 06/24/2008 0757

Analysis Batch: 400-71951
Prep Batch: 400-71691
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 006-0601.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	<1.0		1.0
Acenaphthylene	<1.0		1.0
Anthracene	<1.0		1.0
Benzo[a]anthracene	<0.20		0.20
Benzo[a]pyrene	<0.20		0.20
Benzo[b]fluoranthene	<0.20		0.20
Benzo[g,h,i]perylene	<1.0		1.0
Benzo[k]fluoranthene	<0.50		0.50
Chrysene	<1.0		1.0
Dibenz(a,h)anthracene	<0.20		0.20
Fluoranthene	<1.0		1.0
Fluorene	<1.0		1.0
Indeno[1,2,3-cd]pyrene	<0.20		0.20
1-Methylnaphthalene	<1.0		1.0
2-Methylnaphthalene	<1.0		1.0
Naphthalene	<1.0		1.0
Phenanthrene	<1.0		1.0
Pyrene	<1.0		1.0
Surrogate	% Rec	Acceptance Limits	
2-Chloroanthracene	88	43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Lab Control Spike - Batch: 400-71691

Method: 8310

Preparation: 3520C

Lab Sample ID: LCS 400-71691/2-A

Analysis Batch: 400-71951

Instrument ID: HPLC/UV/FLUOR

Client Matrix: Water

Prep Batch: 400-71691

Lab File ID: 007-0701.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 06/25/2008 1940

Final Weight/Volume: 1.0 mL

Date Prepared: 06/24/2008 0757

Injection Volume:

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	10.0	9.08	91	31 - 109	
Acenaphthylene	10.0	7.84	78	39 - 105	
Anthracene	10.0	8.84	88	43 - 121	
Benzo[a]anthracene	10.0	7.75	78	60 - 124	
Benzo[a]pyrene	10.0	7.20	72	41 - 128	
Benzo[b]fluoranthene	10.0	6.62	66	48 - 116	
Benzo[g,h,i]perylene	10.0	5.42	54	17 - 138	
Benzo[k]fluoranthene	10.0	6.24	62	35 - 120	
Chrysene	10.0	8.15	81	54 - 120	
Dibenz(a,h)anthracene	10.0	5.35	54	13 - 134	
Fluoranthene	10.0	8.98	90	55 - 138	
Fluorene	10.0	8.95	90	41 - 112	
Indeno[1,2,3-cd]pyrene	10.0	5.81	58	31 - 130	
1-Methylnaphthalene	10.0	8.94	89	32 - 96	
2-Methylnaphthalene	10.0	8.87	89	34 - 97	
Naphthalene	10.0	8.87	89	19 - 135	
Phenanthrene	10.0	9.14	91	45 - 117	
Pyrene	10.0	9.09	91	61 - 127	
Surrogate		% Rec		Acceptance Limits	
2-Chloroanthracene		99		43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Method Blank - Batch: 680-109797

Lab Sample ID: MB 680-109797/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 0256
Date Prepared: 06/24/2008 1130

Analysis Batch: 680-110038
Prep Batch: 680-109797
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<10		10
Chromium	<10		10

Lab Control Spike - Batch: 680-109797

Lab Sample ID: LCS 680-109797/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 0301
Date Prepared: 06/24/2008 1130

Analysis Batch: 680-110038
Prep Batch: 680-109797
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	2050	103	75 - 125	
Chromium	200	209	104	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37864-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-109797

MS Lab Sample ID: 680-37864-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 0338
Date Prepared: 06/24/2008 1130

Analysis Batch: 680-110038
Prep Batch: 680-109797

MSD Lab Sample ID: 680-37864-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 0343
Date Prepared: 06/24/2008 1130

Analysis Batch: 680-110038
Prep Batch: 680-109797

Method: 6010B

Preparation: 3005A

Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.				RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD	Limit					
Arsenic	106	103	75 - 125		2	20		
Chromium	107	105	75 - 125		2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

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08

Client Information		Sampler: BRANT MCCANDLESS		Lab PM: Page, Abbie		Carrier Tracking No(s):		COC No: 680-16690.1					
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7938		E-Mail: abbie.page@testamericainc.com						Page: Page 1 of 2			
Company: Weston Solutions, Inc.								Job #:					
Address: 5430 Metric Place Suite 100		Due Date Requested: NORMAL				Analysis Requested		Preservation Codes:					
City: Norcross		TAT Requested (days): NORMAL								A - HCL M - Hexane			
State, Zip: GA, 30092		PO #: 32730						B - NaOH N - None					
Phone: 386-462-2444(Tel) 770.325.7938		WO #: 5.79101E+13						C - Zn Acetate O - AsNaO2					
Email: ralph.mckeен@westonsolutions.com		Project #: 68000815						D - Nitric Acid P - Na2O4S					
Project Name: Cabot Quarterly Sampling		Site: CABOT/KOPERS		SSOW#: 05791.008.001.0001				E - NaHSO4 Q - Na2SO3					
		07	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste oil, BT=tissue, A=Air)	6010B - As, Cr	8021B - BTEX, MME	8270C - Select SVOCs	8310 - PAHs	8021B - BTEX, MME	Other:	
Sample Identification											Special Instructions/Note:		
ITW-1		6/19	0840	G	Water		X X X X						
ITW-2		6/19	0855	G	Water		X X X X						
ITW-13		6/19	1050	G	Water		X X X X						
ITW-14		6/19	1130	G	Water		X X X X						
ESE-002		6/19	0915	G	Water		X T T X						
ESE-004		6/19	0945	G	Water		X X X X						
ESE-007		6/19	1010	G	Water		X X X X						
WMW-17E		6/19	1150	G	Water		X X X X						
WMW-18E		6/19	1215	G	Water		X X X X						
Duplicate		6/19	—	G	Water		X X X X						
Equipment Blank		6/19	1110	Q	Water		X X X X						
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:							
Empty Kit Relinquished by: Brant McCandles			Date:		Time:		Method of Shipment:						
Relinquished by: Brant McCandles			Date/Time: 6/20/08 1315		Company: WESTON		Received by: KH		Date/Time: 6/20/08 1315		Company: TJ SAN		
Relinquished by:			Date/Time:		Company		Received by:		Date/Time:		Company		
Relinquished by:			Date/Time:		Company		Received by:		Date/Time:		Company		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 680-37764		Cooler Temperature(s) °C and Other Remarks: 4.7/10.4									

Tesla America Savannah

5102 LaRoche Avenue
Savannah, GA 31404
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ANALYTICAL REPORT

Job Number: 680-37991-1

Job Description: Cabot

For:
Weston Solutions, Inc.
5430 Metric Place
Suite 100
Norcross, GA 30092

Attention: Mr. Ralph McKeen

Kathryn Smith

Designee for
Abbie Page
Project Manager I
abbie.page@testamericainc.com
07/14/2008

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



**Job Narrative
680-J37991-1**

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to the abundance of target analytes: ITW-8 (680-37991-4), ITW-9 (680-37991-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: ITW-9 (680-37991-5). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: ITW-9 (680-37991-5).

No other analytical or quality issues were noted.

HPLC

The following samples were diluted due to the matrix of the samples: Duplicate, ESE-005, ESE-006, ITW-11, ITW-15, ITW-16, ITW-6, ITW-8, ITW-9.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted:

METHOD SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds by GC/MS Purge-and-Trap	TAL SAV TAL SAV	SW846 8260B SW846 5030B	
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	TAL SAV	SW846 8270C	
Polynuclear Aromatic Hydrocarbons Continuous Liquid-Liquid Extraction	TAL PEN TAL PEN	SW846 8310 SW846 3520C	
Inductively Coupled Plasma - Atomic Emission Spectrometry Acid Digestion of Waters for Total Recoverable or	TAL SAV TAL SAV	SW846 6010B SW846 3005A	

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

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

SAMPLE SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-37991-1	ITW-4	Water	06/24/2008 0820	06/25/2008 1519
680-37991-2	ITW-6	Water	06/25/2008 0745	06/25/2008 1519
680-37991-3	ITW-7	Water	06/25/2008 0805	06/25/2008 1519
680-37991-4	ITW-8	Water	06/25/2008 0830	06/25/2008 1519
680-37991-5	ITW-9	Water	06/25/2008 0850	06/25/2008 1519
680-37991-6	ITW-11	Water	06/24/2008 0930	06/25/2008 1519
680-37991-7	ITW-15	Water	06/25/2008 0930	06/25/2008 1519
680-37991-8	ITW-16	Water	06/25/2008 0945	06/25/2008 1519
680-37991-9	ESE-005	Water	06/24/2008 0845	06/25/2008 1519
680-37991-10	ESE-006	Water	06/24/2008 0905	06/25/2008 1519
680-37991-11FD	Duplicate	Water	06/25/2008 0000	06/25/2008 1519
680-37991-12TB	TB-01	Water	06/25/2008 0000	06/25/2008 1519

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-4

Lab Sample ID: 680-37991-1

Date Sampled: 06/24/2008 0820

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110815	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0983.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 2032			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 2032				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	100	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-6

Lab Sample ID: 680-37991-2

Client Matrix: Water

Date Sampled: 06/25/2008 0745

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110815	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0985.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/03/2008 2102			Final Weight/Volume:	5 mL
Date Prepared:	07/03/2008 2102				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	3.0		1.0
Ethylbenzene	65		1.0
Methyl tert-butyl ether	<10		10
Toluene	34		1.0
Xylenes, Total	97		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	99		75 - 121
Toluene-d8 (Surr)	96		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-7

Lab Sample ID: 680-37991-3

Date Sampled: 06/25/2008 0805

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1009.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 2051			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 2051				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	4.4		1.0
Ethylbenzene	4.1		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	3.1		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	92		75 - 120
Dibromofluoromethane	96		75 - 121
Toluene-d8 (Surr)	94		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-8

Lab Sample ID: 680-37991-4

Date Sampled: 06/25/2008 0830

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1011.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 2121			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 2121				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	14		1.0
Ethylbenzene	18		1.0
Methyl tert-butyl ether	<10		10
Toluene	170		1.0
Xylenes, Total	33		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	75 - 120
Dibromofluoromethane	94	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-9

Lab Sample ID: 680-37991-5

Date Sampled: 06/25/2008 0850

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1007.d
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 2022			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 2022				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	21		10
Ethylbenzene	65		10
Methyl tert-butyl ether	<100		100
Toluene	720		10
Xylenes, Total	83		20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	75 - 120
Dibromofluoromethane	92	75 - 121
Toluene-d8 (Surr)	97	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-11

Lab Sample ID: 680-37991-6

Client Matrix: Water

Date Sampled: 06/24/2008 0930

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0993.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1655			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1655				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	4.3		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	89		75 - 120
Dibromofluoromethane	97		75 - 121
Toluene-d8 (Surr)	95		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-15

Lab Sample ID: 680-37991-7

Client Matrix: Water

Date Sampled: 06/25/2008 0930

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-110898	Instrument ID: GC/MS Volatiles - P
Preparation:	5030B		Lab File ID: p0995.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/07/2008 1724		Final Weight/Volume: 5 mL
Date Prepared:	07/07/2008 1724		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	2.8		1.0
Ethylbenzene	8.7		1.0
Methyl tert-butyl ether	<10		10
Toluene	190		1.0
Xylenes, Total	13		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	95		75 - 120
Dibromofluoromethane	94		75 - 121
Toluene-d8 (Surr)	95		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-16

Lab Sample ID: 680-37991-8

Date Sampled: 06/25/2008 0945

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0997.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1754			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1754				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	2.1		1.0
Ethylbenzene	1.1		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	11		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	94	75 - 121
Toluene-d8 (Sur)	95	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-005

Lab Sample ID: 680-37991-9

Date Sampled: 06/24/2008 0845

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0999.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1823			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1823				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	10		1.0
Ethylbenzene	110		1.0
Methyl tert-butyl ether	<10		10
Toluene	24		1.0
Xylenes, Total	230		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Surr)	95	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-006

Lab Sample ID: 680-37991-10

Date Sampled: 06/24/2008 0905

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1001.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1853			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1853				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	37		1.0
Ethylbenzene	140		1.0
Methyl tert-butyl ether	<10		10
Toluene	48		1.0
Xylenes, Total	140		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: Duplicate

Lab Sample ID: 680-37991-11FD

Date Sampled: 06/25/2008 0000

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1003.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1923			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1923				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	3.0		1.0
Ethylbenzene	68		1.0
Methyl tert-butyl ether	<10		10
Toluene	35		1.0
Xylenes, Total	100		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Surr)	94	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: TB-01

Lab Sample ID: 680-37991-12TB

Date Sampled: 06/25/2008 0000

Client Matrix: Water

Date Received: 06/25/2008 1519

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110898	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1005.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/07/2008 1952			Final Weight/Volume:	5 mL
Date Prepared:	07/07/2008 1952				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	97	75 - 121
Toluene-d8 (Surr)	95	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-4

Lab Sample ID: 680-37991-1

Date Sampled: 06/24/2008 0820

Client Matrix: Water

Date Received: 06/25/2008 1519

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-111035	Instrument ID:	GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch:	680-110280	Lab File ID:	t0273.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/09/2008 2120			Final Weight/Volume:	1 mL
Date Prepared:	06/30/2008 1414			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	62	38 - 116	
2-Fluorophenol	61	36 - 110	
2,4,6-Tribromophenol	93	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: Duplicate

Lab Sample ID: 680-37991-11FD

Date Sampled: 06/25/2008 0000

Client Matrix: Water

Date Received: 06/25/2008 1519

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	041-4401.D
Dilution:	5.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	07/02/2008 1641			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	52		4.8
Acenaphthylene	<4.8		4.8
Anthracene	<4.8		4.8
Benzo[a]anthracene	<0.95		0.95
Benzo[a]pyrene	<0.95		0.95
Benzo[b]fluoranthene	<0.95		0.95
Benzo[g,h,i]perylene	<4.8		4.8
Benzo[k]fluoranthene	<2.4		2.4
Chrysene	<4.8		4.8
Dibenz(a,h)anthracene	<0.95		0.95
Fluoranthene	<4.8		4.8
Fluorene	19	P	4.8
Indeno[1,2,3-cd]pyrene	<0.95		0.95
1-Methylnaphthalene	72	P	4.8
2-Methylnaphthalene	85		4.8
Naphthalene	360		4.8
Phenanthrene	6.6		4.8
Pyrene	<4.8		4.8
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	86		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-4

Lab Sample ID: 680-37991-1
Client Matrix: Water

Date Sampled: 06/24/2008 0820
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110424	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0101		Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-6

Lab Sample ID: 680-37991-2
Client Matrix: Water

Date Sampled: 06/25/2008 0745
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0126			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	67		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-7

Lab Sample ID: 680-37991-3
Client Matrix: Water

Date Sampled: 06/25/2008 0805
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110424	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0131		Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-8

Lab Sample ID: 680-37991-4
Client Matrix: Water

Date Sampled: 06/25/2008 0830
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0136			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	13		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-9

Lab Sample ID: 680-37991-5
Client Matrix: Water

Date Sampled: 06/25/2008 0850
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110424	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0152		Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-11

Lab Sample ID: 680-37991-6
Client Matrix: Water

Date Sampled: 06/24/2008 0930
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0157			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-15

Lab Sample ID: 680-37991-7
Client Matrix: Water

Date Sampled: 06/25/2008 0930
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110424	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0202		Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ITW-16

Lab Sample ID: 680-37991-8
Client Matrix: Water

Date Sampled: 06/25/2008 0945
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0207			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	220		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-005

Lab Sample ID: 680-37991-9
Client Matrix: Water

Date Sampled: 06/24/2008 0845
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0212			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	22		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: ESE-006

Lab Sample ID: 680-37991-10
Client Matrix: Water

Date Sampled: 06/24/2008 0905
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110424	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0217			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Client Sample ID: Duplicate

Lab Sample ID: 680-37991-11FD
Client Matrix: Water

Date Sampled: 06/25/2008 0000
Date Received: 06/25/2008 1519

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110424	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/02/2008 0222		Final Weight/Volume:	50 mL
Date Prepared:	07/01/2008 1100			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	510		10

DATA REPORTING QUALIFIERS

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
HPLC	P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 680-110815

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-110815/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/03/2008 1256
Date Prepared: 07/03/2008 1256

Analysis Batch: 680-110815
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq399.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	75 - 120
Dibromofluoromethane	93	75 - 121
Toluene-d8 (Surr)	94	75 - 120

Lab Control Spike - Batch: 680-110815

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-110815/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/03/2008 1044
Date Prepared: 07/03/2008 1044

Analysis Batch: 680-110815
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq393.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	49.5	99	77 - 119	
Ethylbenzene	50.0	52.2	104	86 - 116	
Methyl tert-butyl ether	100	102	102	77 - 121	
Toluene	50.0	52.7	105	81 - 117	
Xylenes, Total	150	157	105	84 - 118	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	75 - 120
Dibromofluoromethane	107	75 - 121
Toluene-d8 (Surr)	106	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 680-110898

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-110898/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2008 1438
Date Prepared: 07/07/2008 1438

Analysis Batch: 680-110898
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq411.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	90	75 - 120
Dibromofluoromethane	100	75 - 121
Toluene-d8 (Surf)	95	75 - 120

Lab Control Spike - Batch: 680-110898

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-110898/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2008 1303
Date Prepared: 07/07/2008 1303

Analysis Batch: 680-110898
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq405.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	47.4	95	77 - 119	
Ethylbenzene	50.0	47.7	95	86 - 116	
Methyl tert-butyl ether	100	99.7	100	77 - 121	
Toluene	50.0	49.8	100	81 - 117	
Xylenes, Total	150	146	98	84 - 118	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	75 - 120
Dibromofluoromethane	105	75 - 121
Toluene-d8 (Surf)	97	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 680-110280

Method: 8270C

Preparation: 3520C

Lab Sample ID: MB 680-110280/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2008 1253
Date Prepared: 06/30/2008 1414

Analysis Batch: 680-111120
Prep Batch: 680-110280
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t0255.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	<10		10
2,4-Dimethylphenol	<10		10
Pentachlorophenol	<50		50
Surrogate	% Rec	Acceptance Limits	
Phenol-d5	60	38 - 116	
2-Fluorophenol	60	36 - 110	
2,4,6-Tribromophenol	78	40 - 139	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 680-110402

Lab Sample ID: MB 680-110402/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2008 1511
Date Prepared: 07/01/2008 1353

Analysis Batch: 680-111080
Prep Batch: 680-110402
Units: ug/L

Method: 8270C
Preparation: 3520C

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g3097.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	<10		10
2,4-Dimethylphenol	<10		10
Pentachlorophenol	<50		50
Surrogate	% Rec		Acceptance Limits
Phenol-d5	83		38 - 116
2-Fluorophenol	74		36 - 110
2,4,6-Tribromophenol	72		40 - 139

Lab Control Spike - Batch: 680-110402

Lab Sample ID: LCS 680-110402/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2008 1533
Date Prepared: 07/01/2008 1353

Analysis Batch: 680-111080
Prep Batch: 680-110402
Units: ug/L

Method: 8270C
Preparation: 3520C

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g3098.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	85.9	86	39 - 110	
2,4-Dimethylphenol	100	65.0	65	36 - 110	
Pentachlorophenol	100	82.4	82	37 - 132	
Surrogate	% Rec		Acceptance Limits		
Phenol-d5	87			38 - 116	
2-Fluorophenol	77			36 - 110	
2,4,6-Tribromophenol	88			40 - 139	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 400-71969

Method: 8310

Preparation: 3520C

Lab Sample ID: MB 400-71969/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0849
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440
Prep Batch: 400-71969
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 028-3001.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	<1.0		1.0
Acenaphthylene	<1.0		1.0
Anthracene	<1.0		1.0
Benzo[a]anthracene	<0.20		0.20
Benzo[a]pyrene	<0.20		0.20
Benzo[b]fluoranthene	<0.20		0.20
Benzo[g,h,i]perylene	<1.0		1.0
Benzo[k]fluoranthene	<0.50		0.50
Chrysene	<1.0		1.0
Dibenz(a,h)anthracene	<0.20		0.20
Fluoranthene	<1.0		1.0
Fluorene	<1.0		1.0
Indeno[1,2,3-cd]pyrene	<0.20		0.20
1-Methylnaphthalene	<1.0		1.0
2-Methylnaphthalene	<1.0		1.0
Naphthalene	<1.0		1.0
Phenanthrene	<1.0		1.0
Pyrene	<1.0		1.0
Surrogate	% Rec	Acceptance Limits	
2-Chloroanthracene	78	43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Lab Control Spike - Batch: 400-71969

Method: 8310

Preparation: 3520C

Lab Sample ID: LCS 400-71969/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0923
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440
Prep Batch: 400-71969
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 029-3101.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	10.0	5.99	60	31 - 109	
Acenaphthylene	10.0	4.77	48	39 - 105	
Anthracene	10.0	6.57	66	43 - 121	
Benzo[a]anthracene	10.0	7.49	75	60 - 124	
Benzo[a]pyrene	10.0	7.03	70	41 - 128	
Benzo[b]fluoranthene	10.0	6.47	65	48 - 116	
Benzo[g,h,i]perylene	10.0	4.31	43	17 - 138	
Benzo[k]fluoranthene	10.0	5.79	58	35 - 120	
Chrysene	10.0	7.83	78	54 - 120	
Dibenz(a,h)anthracene	10.0	3.90	39	13 - 134	
Fluoranthene	10.0	6.98	70	55 - 138	
Fluorene	10.0	6.06	61	41 - 112	
Indeno[1,2,3-cd]pyrene	10.0	4.87	49	31 - 130	
1-Methylnaphthalene	10.0	5.89	59	32 - 96	
2-Methylnaphthalene	10.0	5.80	58	34 - 97	
Naphthalene	10.0	5.73	57	19 - 135	
Phenanthrene	10.0	6.32	63	45 - 117	
Pyrene	10.0	7.67	77	61 - 127	
Surrogate		% Rec		Acceptance Limits	
2-Chloroanthracene		84		43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Method Blank - Batch: 680-110424

Lab Sample ID: MB 680-110424/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0051
Date Prepared: 07/01/2008 1100

Analysis Batch: 680-110589
Prep Batch: 680-110424
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<10		10
Chromium	<10		10

Lab Control Spike - Batch: 680-110424

Lab Sample ID: LCS 680-110424/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0056
Date Prepared: 07/01/2008 1100

Analysis Batch: 680-110589
Prep Batch: 680-110424
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	2010	100	75 - 125	
Chromium	200	205	103	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-37991-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-110424

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 680-37991-1 Analysis Batch: 680-110589
Client Matrix: Water Prep Batch: 680-110424
Dilution: 1.0
Date Analyzed: 07/02/2008 0116
Date Prepared: 07/01/2008 1100

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-37991-1 Analysis Batch: 680-110589
Client Matrix: Water Prep Batch: 680-110424
Dilution: 1.0
Date Analyzed: 07/02/2008 0121
Date Prepared: 07/01/2008 1100

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	103	104	75 - 125	1	20		
Chromium	105	106	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

05791.004,004,0010 Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: BRANT McCANCESS	Lab PM: Page, Abbie	Carrier Tracking No(s):	COC No: 680-16691.1			
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7938	E-Mail: abbie.page@testamericainc.com		Page: Page 1 of 2			
Company: Weston Solutions, Inc.					Job #:			
Address: 5430 Metric Place Suite 100		Due Date Requested: NORMAL			Preservation Codes:			
City: Norcross		TAT Requested (days): NORMAL			A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Anchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)			
State, Zip: GA, 30092		PO #: 32730						
Phone: 770.325.7938		WO #: 5.79101E+13						
Email: ralph.mckeен@westonsolutions.com								
Project Name: Cabot Extended Sampling		Project #: 68000815						
Site: CABOT KOPPERS		SSOW#:						
GAINESVILLE, FL		08	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefill, BT=Issue, A=All)	Special Instructions/Note:		
Sample Identification		Sample Date						
ITW-3					Water			
ITW-4		6/24 0820	G	Water	X X X X			
ITW-6		6/25 0745	G	Water	X X X X			
ITW-7		6/25 0805	G	Water	X X X X			
ITW-8		6/25 0830	G	Water	X X X X			
ITW-9		6/25 0850	G	Water	X X X X			
ITW-11		6/24 0930	G	Water	X X X X			
ITW-15		6/25 0930	G	Water	X X X X			
ITW-16		6/25 0945	G	Water	X X X X			
ESE-005		6/24 0845	G	Water	X X X X			
ESE-006		6/24 0905	G	Water	X X X X			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:				
Relinquished by: Brant McCance		Date/Time: 6/25/08 1515	Company: WESTON	Received by: Gil H. Kell	Date/Time: 6/25/08 1519	Company: PM		
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:		
Relinquished by:		Date/Time:	Company:	Received by: KL	Date/Time: 6/25/08 1519	Company: MSA		
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.6/4.9/3.6/21.5/0				
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								

Chain of Custody Record

Client Information		Sampler: BRANT MECHANICS	Lab PM: Page, Abbie	Carrier Tracking No(s):	CCN No: 680-16691.2
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7906	E-Mail: abbie.page@testamericainc.com	Page: Page 2 of 2	
Company: Weston Solutions, Inc.		Analysis Requested			
Address: 5430 Metric Place Suite 100		Due Date Requested: NORMAL			
City: Norcross		TAT Requested (days):			
State, Zip: GA, 30092		NORMAL			
Phone: 770.325.7938		PO #: 32730			
Email: ralph.mckeен@westonsolutions.com		WO #: 5.79101E+13			
Project Name: Cabot Extended Sampling		Project #: 68000815			
Site: CABOT KOPPERS GAINESVILLE, FL		SSOW#:			
Sample Identification		08	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefill, T=tissue, A=air)
				6010B - As, Cr	6270C - Select SVOCs
				6310 - PAH's	6260B - BTEX & MTBE
				6021B - BTEX, MIBE	
Special Instructions/Note:					
<p>Duplicate 6/25 — G Water XXX X</p> <p>Equipment Blank Water</p> <p>Water</p> <p>ALL VIALS IN TB-01 DVE COOLER — — — Water X</p> <p>TB-02</p> <p>Water</p> <p>Water</p>					
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months		
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Brant McLean		Date/Time: 6/25/08/1515	Company: WESTON	Received by: J. D. K.	Date/Time: 6/25/08/1519
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 1			
		Cooler Temperature(s) °C and Other Remarks:			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-38048-1

Job Description: Cabot

For:

Weston Solutions, Inc.
5430 Metric Place
Suite 100
Norcross, GA 30092

Attention: Mr. Ralph McKeen

Kathryn Smith

Designee for
Abbie Page
Project Manager I
abbie.page@testamericainc.com
07/14/2008

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



METHOD SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds by GC/MS Purge-and-Trap	TAL SAV	SW846 8260B	SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	TAL SAV	SW846 8270C	SW846 3520C
Polynuclear Aromatic Hydrocarbons Continuous Liquid-Liquid Extraction	TAL PEN TAL PEN	SW846 8310	SW846 3520C
Inductively Coupled Plasma - Atomic Emission Spectrometry Acid Digestion of Waters for Total Recoverable or	TAL SAV TAL SAV	SW846 6010B	SW846 3005A

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

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

SAMPLE SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-38048-1	ITF-3	Water	06/26/2008 1645	06/27/2008 0850
680-38048-2EB	Equipment Blank	Water	06/26/2008 1630	06/27/2008 0850
680-38048-3TB	TB-02	Water	06/26/2008 0000	06/27/2008 0850

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: ITF-3

Lab Sample ID: 680-38048-1

Date Sampled: 06/26/2008 1645

Client Matrix: Water

Date Received: 06/27/2008 0850

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110627	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0757.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2008 0447			Final Weight/Volume:	5 mL
Date Prepared:	07/02/2008 0447				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	1.2		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	75 - 120
Dibromofluoromethane	99	75 - 121
Toluene-d8 (Surr)	98	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: Equipment Blank

Lab Sample ID: 680-38048-2EB

Date Sampled: 06/26/2008 1630

Client Matrix: Water

Date Received: 06/27/2008 0850

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-110627	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0759.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2008 0516			Final Weight/Volume:	5 mL
Date Prepared:	07/02/2008 0516				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	75 - 120
Dibromofluoromethane	99	75 - 121
Toluene-d8 (Surr)	97	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: TB-02

Lab Sample ID: 680-38048-3TB

Date Sampled: 06/26/2008 0000

Client Matrix: Water

Date Received: 06/27/2008 0850

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-110627	Instrument ID: GC/MS Volatiles - A
Preparation:	5030B		Lab File ID: a0755.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/02/2008 0419		Final Weight/Volume: 5 mL
Date Prepared:	07/02/2008 0419		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	75 - 120
Dibromofluoromethane	100	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: ITF-3

Lab Sample ID: 680-38048-1

Date Sampled: 06/26/2008 1645

Client Matrix: Water

Date Received: 06/27/2008 0850

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-111353	Instrument ID:	GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch:	680-110525	Lab File ID:	t0334.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	07/11/2008 1605			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2008 1421			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	29		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec		Acceptance Limits
Phenol-d5	48		38 - 116
2-Fluorophenol	47		36 - 110
2,4,6-Tribromophenol	91		40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: Equipment Blank

Lab Sample ID: 680-38048-2EB

Date Sampled: 06/26/2008 1630

Client Matrix: Water

Date Received: 06/27/2008 0850

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-111353	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-110525	Lab File ID: t0335.d
Dilution:	1.0		Initial Weight/Volume: 1060 mL
Date Analyzed:	07/11/2008 1630		Final Weight/Volume: 1 mL
Date Prepared:	07/02/2008 1421		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47		47
Surrogate	%Rec		Acceptance Limits
Phenol-d5	62		38 - 116
2-Fluorophenol	62		36 - 110
2,4,6-Tribromophenol	86		40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: ITF-3

Lab Sample ID: 680-38048-1

Date Sampled: 06/26/2008 1645

Client Matrix: Water

Date Received: 06/27/2008 0850

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	042-4501.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/02/2008 1714			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.96		0.96
Acenaphthylene	<0.96		0.96
Anthracene	<0.96		0.96
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.96		0.96
Benzo[k]fluoranthene	<0.48		0.48
Chrysene	<0.96		0.96
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.96		0.96
Fluorene	<0.96		0.96
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.96		0.96
2-Methylnaphthalene	<0.96		0.96
Naphthalene	20		0.96
Phenanthrene	<0.96		0.96
Pyrene	<0.96		0.96
Surrogate	%Rec	Acceptance Limits	
2-Chloroanthracene	68	43 - 151	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: Equipment BlankLab Sample ID: 680-38048-2EB
Client Matrix: WaterDate Sampled: 06/26/2008 1630
Date Received: 06/27/2008 0850**8310 Polynuclear Aromatic Hydrocarbons**

Method:	8310	Analysis Batch:	400-72440	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-71969	Lab File ID:	043-4601.D
Dilution:	1.0			Initial Weight/Volume:	1080 mL
Date Analyzed:	07/02/2008 1748			Final Weight/Volume:	1.0 mL
Date Prepared:	06/30/2008 0751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.46		0.46
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	<0.93		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec	Acceptance Limits	
2-Chloroanthracene	87	43 - 151	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: ITF-3

Lab Sample ID: 680-38048-1
Client Matrix: Water

Date Sampled: 06/26/2008 1645
Date Received: 06/27/2008 0850

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-110159	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2008 2156		Final Weight/Volume:	50 mL
Date Prepared:	06/27/2008 1246			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Client Sample ID: Equipment Blank

Lab Sample ID:	680-38048-2EB	Date Sampled:	06/26/2008 1630
Client Matrix:	Water	Date Received:	06/27/2008 0850

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch:	680-110589	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-110159	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2008 2201			Final Weight/Volume:	50 mL
Date Prepared:	06/27/2008 1246				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Method Blank - Batch: 680-110627

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-110627/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2008 2039
Date Prepared: 07/01/2008 2039

Analysis Batch: 680-110627
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq595.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	75 - 120
Dibromofluoromethane	102	75 - 121
Toluene-d8 (Surr)	94	75 - 120

Lab Control Spike - Batch: 680-110627

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-110627/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2008 1825
Date Prepared: 07/01/2008 1825

Analysis Batch: 680-110627
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq589.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	47.6	95	77 - 119	
Ethylbenzene	50.0	52.4	105	86 - 116	
Methyl tert-butyl ether	100	106	106	77 - 121	
Toluene	50.0	53.1	106	81 - 117	
Xylenes, Total	150	167	111	84 - 118	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	114	75 - 120
Dibromofluoromethane	113	75 - 121
Toluene-d8 (Surr)	106	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Method Blank - Batch: 680-110525

Lab Sample ID: MB 680-110525/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2008 1516
Date Prepared: 07/02/2008 1421

Analysis Batch: 680-111353
Prep Batch: 680-110525
Units: ug/L

Method: 8270C
Preparation: 3520C

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t0332.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	<10		10
2,4-Dimethylphenol	<10		10
Pentachlorophenol	<50		50
Surrogate	% Rec		Acceptance Limits
Phenol-d5	55		38 - 116
2-Fluorophenol	55		36 - 110
2,4,6-Tribromophenol	77		40 - 139

Lab Control Spike - Batch: 680-110525

Method: 8270C
Preparation: 3520C

Lab Sample ID: LCS 680-110525/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2008 1540
Date Prepared: 07/02/2008 1421

Analysis Batch: 680-111353
Prep Batch: 680-110525
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t0333.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	51.1	51	39 - 110	
2,4-Dimethylphenol	100	59.0	59	36 - 110	
Pentachlorophenol	100	78.8	79	37 - 132	
Surrogate	% Rec		Acceptance Limits		
Phenol-d5	47		38 - 116		
2-Fluorophenol	49		36 - 110		
2,4,6-Tribromophenol	82		40 - 139		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Method Blank - Batch: 400-71969

Method: 8310

Preparation: 3520C

Lab Sample ID: MB 400-71969/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0849
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440
Prep Batch: 400-71969
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 028-3001.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	<1.0		1.0
Acenaphthylene	<1.0		1.0
Anthracene	<1.0		1.0
Benzo[a]anthracene	<0.20		0.20
Benzo[a]pyrene	<0.20		0.20
Benzo[b]fluoranthene	<0.20		0.20
Benzo[g,h,i]perylene	<1.0		1.0
Benzo[k]fluoranthene	<0.50		0.50
Chrysene	<1.0		1.0
Dibenz(a,h)anthracene	<0.20		0.20
Fluoranthene	<1.0		1.0
Fluorene	<1.0		1.0
Indeno[1,2,3-cd]pyrene	<0.20		0.20
1-Methylnaphthalene	<1.0		1.0
2-Methylnaphthalene	<1.0		1.0
Naphthalene	<1.0		1.0
Phenanthrene	<1.0		1.0
Pyrene	<1.0		1.0
Surrogate	% Rec	Acceptance Limits	
2-Chloroanthracene	78	43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Lab Control Spike - Batch: 400-71969

Method: 8310

Preparation: 3520C

Lab Sample ID: LCS 400-71969/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2008 0923
Date Prepared: 06/30/2008 0751

Analysis Batch: 400-72440
Prep Batch: 400-71969
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 029-3101.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	10.0	5.99	60	31 - 109	
Acenaphthylene	10.0	4.77	48	39 - 105	
Anthracene	10.0	6.57	66	43 - 121	
Benzo[a]anthracene	10.0	7.49	75	60 - 124	
Benzo[a]pyrene	10.0	7.03	70	41 - 128	
Benzo[b]fluoranthene	10.0	6.47	65	48 - 116	
Benzo[g,h,i]perylene	10.0	4.31	43	17 - 138	
Benzo[k]fluoranthene	10.0	5.79	58	35 - 120	
Chrysene	10.0	7.83	78	54 - 120	
Dibenz(a,h)anthracene	10.0	3.90	39	13 - 134	
Fluoranthene	10.0	6.98	70	55 - 138	
Fluorene	10.0	6.06	61	41 - 112	
Indeno[1,2,3-cd]pyrene	10.0	4.87	49	31 - 130	
1-Methylnaphthalene	10.0	5.89	59	32 - 96	
2-Methylnaphthalene	10.0	5.80	58	34 - 97	
Naphthalene	10.0	5.73	57	19 - 135	
Phenanthrene	10.0	6.32	63	45 - 117	
Pyrene	10.0	7.67	77	61 - 127	
Surrogate		% Rec		Acceptance Limits	
2-Chloroanthracene		84		43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-38048-1

Method Blank - Batch: 680-110159

Lab Sample ID: MB 680-110159/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2008 1946
Date Prepared: 06/27/2008 1246

Analysis Batch: 680-110589
Prep Batch: 680-110159
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<10		10
Chromium	<10		10

Lab Control Spike - Batch: 680-110159

Lab Sample ID: LCS 680-110159/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2008 1951
Date Prepared: 06/27/2008 1246

Analysis Batch: 680-110589
Prep Batch: 680-110159
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1840	92	75 - 125	
Chromium	200	185	93	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

05791.004.004.0010 Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: BRANT McCANCE		Lab PM: Page, Abbie		Carrier Tracking No(s):		COC No: 680-16891.1					
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7906		E-Mail: abbie.page@testamericainc.com						Page: Page 1 of 2			
Company: Weston Solutions, Inc.								Job #:					
Address: 5430 Metric Place Suite 100		Due Date Requested: NORMAL				Analysis Requested		Preservation Codes:					
City: Norcross		TAT Requested (days): NORMAL						A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ica U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-6 L - EDA Z - other (specify)					
State, Zip: GA, 30092		PO#: 32730						Other:					
Phone: 770.325.7938		WO#: 5.79101E+13											
Email: ralph.mckeен@westonsolutions.com		Project #: 68000815											
Project Name: Cabot Extended Sampling		SSOW#:											
Site: CABOT KOPPERS GAINESVILLE, FL		08	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, D=wastewater, T=tissue, A=aer)	6010B - As, Cr	8270C - Select SVOCs	8510 - PAH's	8220B - BTEX & MTBE	8021B - BTEX, MBSE	Special Instructions/Note: PREV. SAMPLED	
Sample Identification													
ITW-3		6/26/08	1645	G	Water		X X X	X					
ITW-4					Water								
ITW-5					Water								
ITW-6					Water								
ITW-7					Water								
ITW-8					Water								
ITW-9					Water								
ITW-10					Water								
ITW-11					Water								
ITW-12					Water								
ITW-13					Water								
ITW-14					Water								
ITW-15					Water								
ITW-16					Water								
ESE-005					Water								
ESE-006					Water								
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:							
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:						
Relinquished by: Brant McCance			Date/Time: 6/27/08/0850		Company: WESTON		Received by: JACK JEL		Date/Time: 06/27/08 0850		Company: JAS		
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:		
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:		
Seals Intact: <input checked="" type="checkbox"/> Custody Seal No.: 680-38048						Cooler Temperature(s) °C and Other Remarks: 4.9							

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

05791.004.004.0010

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: BRANT McCARL	Lab PM: Page, Abbie	Carrier Tracking No(s):	COC No: 680-16891.2		
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7906	E-Mail: abbie.page@testamericainc.com		Page: Page 2 of 2		
Company: Weston Solutions, Inc.					Job #:		
Address: 5430 Metric Place Suite 100		Due Date Requested:			Preservation Codes:		
City: Norcross		TAT Requested (days):			A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ics U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:		
State, Zip: GA, 30092							
Phone: 770.325.7938		PO #: 32730					
Email: ralph.mckeен@westonsolutions.com		WO #: 5.79101E+13					
Project Name: Cabot Extended Sampling		Project #: 68000815					
Site: CABOT KOPPERS GAINESVILLE, FL		SSOW#: 08					
Sample Identification		Sample Date: 6/26/08	Sample Time: 1630	Sample Type (C=comp, G=grab): G	Matrix (W=water, S=solid, O=wastewater, T=tissue, A=air): W	6010B - As, Cr 8270C - Select SVOCs 8310 - PAHs 8280B - BTEX & MTBE 8021B - BTEX, MBBP	Special Instructions/Note: PREV. SAMPLED
Duplicate					Water		
Equipment Blank					Water	X X X X	
TB-01					Water		
TB-02					Water	X	
					Water		
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date: 6/27/08/0850	Time: 1630	Method of Shipment: RLPH/AC			
Relinquished by: Brant McCarl		Date/Time: 6/27/08/0850	Company: VV Eston	Received by: RLPH/AC	Date/Time: 06/27/08/0850	Company:	
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:	
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 680-38048			Cooler Temperature(s) °C and Other Remarks:		



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Date of Report: 07/15/2008

Ralph McKeen

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

RE: Cabot

BC Work Order: 0808252

Enclosed are the results of analyses for samples received by the laboratory on 6/26/2008. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Anna Trammel
Client Service Rep

Authorized Signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0808252-01	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: ITW-4 Sampled By: Brant McCanless	Receive Date: 06/26/2008 11:25 Sampling Date: 06/24/2008 08:20 Sample Depth: --- Sample Matrix: Water	
0808252-02	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: ITW-11 Sampled By: Brant McCanless	Receive Date: 06/26/2008 11:25 Sampling Date: 06/24/2008 09:30 Sample Depth: --- Sample Matrix: Water	
0808252-03	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: ITW-8 Sampled By: Brant McCanless	Receive Date: 06/26/2008 11:25 Sampling Date: 06/25/2008 08:30 Sample Depth: --- Sample Matrix: Water	
0808252-04	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: ITW-9 Sampled By: Brant McCanless	Receive Date: 06/26/2008 11:25 Sampling Date: 06/25/2008 08:50 Sample Depth: --- Sample Matrix: Water	

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Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

BCL Sample ID:	0808252-01	Client Sample Name: ITW-4, 6/24/2008 8:20:00AM, Brant McCanless										
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Instrument ID	QC	MB Batch ID	Lab Quals	
trans-Anethol	ND	ug/L	2.0	0.52	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Borneol	ND	ug/L	2.0	0.45	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Camphepane	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Camphor	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Cineole	ND	ug/L	2.0	0.57	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Dipentene	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Isoborneol	ND	ug/L	2.0	0.53	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
Limonene	ND	ug/L	2.0	0.89	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
alpha-Pinene	ND	ug/L	2.0	0.81	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
beta-Pinene	ND	ug/L	2.0	0.48	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
alpha-Terpineol	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	ND
2-Fluorophenol (Surrogate)	54.9	%	26 - 92 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	
Phenol-d5 (Surrogate)	35.0	%	11 - 70 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	
Nitrobenzene-d5 (Surrogate)	83.7	%	47 - 121 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	
2-Fluorobiphenyl (Surrogate)	95.4	%	43 - 111 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	
2,4,6-Tribromophenol (Surrogate)	83.0	%	44 - 124 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	
p-Terphenyl-d14 (Surrogate)	237	%	46 - 102 (LCL - UCL)		EPA-8270C	06/27/08	07/02/08 17:57	SKC	MS-B2	1.020	BRF1724	S09

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Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

BCL Sample ID:	0808252-02	Client Sample Name: ITW-11, 6/24/2008 9:30:00AM, Brant McCanless											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	QC Dilution	MB Batch ID	Lab Bias	Quals
trans-Anethol	ND	ug/L	2.0	0.52	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Borneol	ND	ug/L	2.0	0.45	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Camphene	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Camphor	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Cineole	ND	ug/L	2.0	0.57	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Dipentene	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Isoborneol	ND	ug/L	2.0	0.53	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
Limonene	ND	ug/L	2.0	0.89	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
alpha-Pinene	ND	ug/L	2.0	0.81	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
beta-Pinene	ND	ug/L	2.0	0.48	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
alpha-Terpineol	ND	ug/L	2.0	0.47	EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724	ND	
2-Fluorophenol (Surrogate)	30.7	%	26 - 92 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		
Phenol-d5 (Surrogate)	21.2	%	11 - 70 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		
Nitrobenzene-d5 (Surrogate)	53.9	%	47 - 121 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		
2-Fluorobiphenyl (Surrogate)	58.3	%	43 - 111 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		
2,4,6-Tribromophenol (Surrogate)	57.4	%	44 - 124 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		
p-Terphenyl-d14 (Surrogate)	119	%	46 - 102 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:19	SKC	MS-B2	1	BRF1724		S09

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BC *Laboratories, Inc.*

Environmental Testing Laboratory Since 1949

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

BCL Sample ID:	0808252-03	Client Sample Name: ITW-8, 6/25/2008 8:30:00AM, Brant McCanless										
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Instrument ID	QC	MB	Lab Quals	
trans-Anethol	ND	ug/L	20	5.2	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Borneol	ND	ug/L	20	4.5	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Camphene	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Camphor	840	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Cineole	43	ug/L	20	5.7	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Dipentene	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Isoborneol	ND	ug/L	20	5.3	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
Limonene	ND	ug/L	20	8.9	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
alpha-Pinene	ND	ug/L	20	8.1	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
beta-Pinene	ND	ug/L	20	4.8	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
alpha-Terpineol	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	ND A10
2-Fluorophenol (Surrogate)	31.9	%	26 - 92 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10
Phenol-d5 (Surrogate)	22.9	%	11 - 70 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10
Nitrobenzene-d5 (Surrogate)	111	%	47 - 121 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10
2-Fluorobiphenyl (Surrogate)	54.9	%	43 - 111 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10
2,4,6-Tribromophenol (Surrogate)	48.5	%	44 - 124 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10
p-Terphenyl-d14 (Surrogate)	106	%	46 - 102 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 13:48	SKC	MS-B2	10.101	BRF1724	A10,S09

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Environmental Testing Laboratory Since 1949

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

BCL Sample ID:	0808252-04	Client Sample Name: ITW-9, 6/25/2008 8:50:00AM, Brant McCanless											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	QC Dilution	MB Batch ID	Lab Bias	Quals
trans-Anethol	ND	ug/L	20	5.2	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Borneol	ND	ug/L	20	4.5	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Campophene	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Camphor	2400	ug/L	100	24	EPA-8270C	06/27/08	07/07/08 14:45	SKC	MS-B2	50	BRF1724	ND	A09
Cineole	55	ug/L	20	5.7	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Dipentene	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Isoborneol	ND	ug/L	20	5.3	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
Limonene	ND	ug/L	20	8.9	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
alpha-Pinene	ND	ug/L	20	8.1	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
beta-Pinene	ND	ug/L	20	4.8	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
alpha-Terpineol	ND	ug/L	20	4.7	EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724	ND	A10
2-Fluorophenol (Surrogate)	27.2	%	26 - 92 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10
Phenol-d5 (Surrogate)	17.2	%	11 - 70 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10
Nitrobenzene-d5 (Surrogate)	168	%	47 - 121 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10,S09
2-Fluorobiphenyl (Surrogate)	52.4	%	43 - 111 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10
2,4,6-Tribromophenol (Surrogate)	43.4	%	44 - 124 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10,S09
p-Terphenyl-d14 (Surrogate)	48.0	%	46 - 102 (LCL - UCL)		EPA-8270C	06/27/08	07/07/08 14:16	SKC	MS-B2	10	BRF1724		A10

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Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Spike Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery
trans-Anethol	BRF1724	Matrix Spike	0807421-34	ND	54.167	80.000	ug/L	67.7	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	50.416	80.000	ug/L	7.2	63.0	30	70 - 130 Q03
Borneol	BRF1724	Matrix Spike	0807421-34	ND	58.806	80.000	ug/L	73.5	70 - 130		
		Matrix Spike Duplicate	0807421-34	ND	51.998	80.000	ug/L	12.3	65.0	30	70 - 130 Q03
Camphene	BRF1724	Matrix Spike	0807421-34	ND	22.731	80.000	ug/L	28.4	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	23.520	80.000	ug/L	3.5	29.4	30	70 - 130 Q03
Camphor	BRF1724	Matrix Spike	0807421-34	ND	58.449	80.000	ug/L	73.1	70 - 130		
		Matrix Spike Duplicate	0807421-34	ND	49.498	80.000	ug/L	16.6	61.9	30	70 - 130 Q03
Cineole	BRF1724	Matrix Spike	0807421-34	ND	58.084	80.000	ug/L	72.6	70 - 130		
		Matrix Spike Duplicate	0807421-34	ND	55.611	80.000	ug/L	4.4	69.5	30	70 - 130 Q03
Dipentene	BRF1724	Matrix Spike	0807421-34	ND	22.527	80.000	ug/L	28.2	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	24.395	80.000	ug/L	7.8	30.5	30	70 - 130 Q03
Isoborneol	BRF1724	Matrix Spike	0807421-34	ND	55.982	80.000	ug/L	70.0	70 - 130		
		Matrix Spike Duplicate	0807421-34	ND	47.988	80.000	ug/L	15.4	60.0	30	70 - 130 Q03
Limonene	BRF1724	Matrix Spike	0807421-34	ND	21.644	80.000	ug/L	27.1	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	21.280	80.000	ug/L	1.9	26.6	30	70 - 130 Q03
alpha-Pinene	BRF1724	Matrix Spike	0807421-34	ND	22.482	80.000	ug/L	28.1	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	23.992	80.000	ug/L	6.5	30.0	30	70 - 130 Q03
beta-Pinene	BRF1724	Matrix Spike	0807421-34	ND	24.259	80.000	ug/L	30.3	70 - 130	Q03	
		Matrix Spike Duplicate	0807421-34	ND	26.640	80.000	ug/L	9.4	33.3	30	70 - 130 Q03
alpha-Terpineol	BRF1724	Matrix Spike	0807421-34	ND	59.226	80.000	ug/L	74.0	70 - 130		
		Matrix Spike Duplicate	0807421-34	ND	55.894	80.000	ug/L	5.7	69.9	30	70 - 130 Q03
2-Fluorophenol (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	92.550	80.000	ug/L	116	26 - 92	S09	
		Matrix Spike Duplicate	0807421-34	ND	82.700	80.000	ug/L	103	26 - 92	S09	
Phenol-d5 (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	49.900	80.000	ug/L	62.4	11 - 70		
		Matrix Spike Duplicate	0807421-34	ND	45.080	80.000	ug/L	56.4	11 - 70		

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5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quals
Nitrobenzene-d5 (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	133.28	80.000	ug/L	167	47 - 121	S09	
		Matrix Spike Duplicate	0807421-34	ND	122.32	80.000	ug/L	153	47 - 121	S09	
2-Fluorobiphenyl (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	136.34	80.000	ug/L	170	43 - 111	S09	
		Matrix Spike Duplicate	0807421-34	ND	137.02	80.000	ug/L	171	43 - 111	S09	
2,4,6-Tribromophenol (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	125.28	80.000	ug/L	157	44 - 124	S09	
		Matrix Spike Duplicate	0807421-34	ND	123.87	80.000	ug/L	155	44 - 124	S09	
p-Terphenyl-d14 (Surrogate)	BRF1724	Matrix Spike	0807421-34	ND	179.82	40.000	ug/L	450	46 - 102	S09	
		Matrix Spike Duplicate	0807421-34	ND	170.81	40.000	ug/L	427	46 - 102	S09	

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Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits				
								Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
trans-Anethol	BRF1724	BRF1724-BS1	LCS	52.748	80.000	2.0	ug/L	65.9		70 - 130		L01
Borneol	BRF1724	BRF1724-BS1	LCS	53.929	80.000	2.0	ug/L	67.4		70 - 130		L01
Camphene	BRF1724	BRF1724-BS1	LCS	24.194	80.000	2.0	ug/L	30.2		70 - 130		L01
Camphor	BRF1724	BRF1724-BS1	LCS	56.245	80.000	2.0	ug/L	70.3		70 - 130		
Cineole	BRF1724	BRF1724-BS1	LCS	55.511	80.000	2.0	ug/L	69.4		70 - 130		L01
Dipentene	BRF1724	BRF1724-BS1	LCS	24.859	80.000	2.0	ug/L	31.1		70 - 130		L01
Isoborneol	BRF1724	BRF1724-BS1	LCS	52.104	80.000	2.0	ug/L	65.1		70 - 130		L01
Limonene	BRF1724	BRF1724-BS1	LCS	22.879	80.000	2.0	ug/L	28.6		70 - 130		L01
alpha-Pinene	BRF1724	BRF1724-BS1	LCS	23.931	80.000	2.0	ug/L	29.9		70 - 130		L01
beta-Pinene	BRF1724	BRF1724-BS1	LCS	27.584	80.000	2.0	ug/L	34.5		70 - 130		L01
alpha-Terpineol	BRF1724	BRF1724-BS1	LCS	56.060	80.000	2.0	ug/L	70.1		70 - 130		
2-Fluorophenol (Surrogate)	BRF1724	BRF1724-BS1	LCS	89.810	80.000		ug/L	112		26 - 92		S09
Phenol-d5 (Surrogate)	BRF1724	BRF1724-BS1	LCS	46.500	80.000		ug/L	58.1		11 - 70		
Nitrobenzene-d5 (Surrogate)	BRF1724	BRF1724-BS1	LCS	128.93	80.000		ug/L	161		47 - 121		S09
2-Fluorobiphenyl (Surrogate)	BRF1724	BRF1724-BS1	LCS	131.10	80.000		ug/L	164		43 - 111		S09
2,4,6-Tribromophenol (Surrogate)	BRF1724	BRF1724-BS1	LCS	132.14	80.000		ug/L	165		44 - 124		S09
p-Terphenyl-d14 (Surrogate)	BRF1724	BRF1724-BS1	LCS	162.69	40.000		ug/L	407		46 - 102		S09

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Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
trans-Anethol	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.52	
Borneol	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.45	
Camphene	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.47	
Camphor	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.47	
Cineole	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.57	
Dipentene	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.47	
Isoborneol	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.53	
Limonene	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.89	
alpha-Pinene	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.81	
beta-Pinene	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.48	
alpha-Terpineol	BRF1724	BRF1724-BLK1	ND	ug/L	2.0	0.47	
2-Fluorophenol (Surrogate)	BRF1724	BRF1724-BLK1	45.9	%	26 - 92 (LCL - UCL)		
Phenol-d5 (Surrogate)	BRF1724	BRF1724-BLK1	27.2	%	11 - 70 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BRF1724	BRF1724-BLK1	72.3	%	47 - 121 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BRF1724	BRF1724-BLK1	78.9	%	43 - 111 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BRF1724	BRF1724-BLK1	73.8	%	44 - 124 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BRF1724	BRF1724-BLK1	189	%	46 - 102 (LCL - UCL)	S09	

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Norcross, GA 30092-2550

Project: Cabot
Project Number: 05791.004.004.0010
Project Manager: Ralph McKeen

Reported: 07/15/2008 9:15

Notes And Definitions

- MDL Method Detection Limit
ND Analyte Not Detected at or above the reporting limit
PQL Practical Quantitation Limit
RPD Relative Percent Difference
A09 PQL's were raised due to high concentration of target analytes requiring sample dilution.
A10 PQL's and MDL's were raised due to matrix interference.
L01 The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
Q03 Matrix spike recovery(s) is(are) not within the control limits.
S09 The surrogate recovery on the sample for this compound was not within the control limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-39357-1

Job Description: Cabot

For:

Weston Solutions, Inc.
5430 Metric Place
Suite 100
Norcross, GA 30092

Attention: Mr. Ralph McKeen

Abbie Page

Abbie Page
Project Manager I
abbie.page@testamericainc.com
08/15/2008

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TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



METHOD SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Description	Lab Location	Method	Preparation Method
Matrix	Water		
Volatile Organic Compounds by GC/MS Purge-and-Trap	TAL SAV	SW846 8260B	SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	TAL SAV	SW846 8270C	SW846 3520C
Polynuclear Aromatic Hydrocarbons Continuous Liquid-Liquid Extraction	TAL PEN	SW846 8310	SW846 3520C
Inductively Coupled Plasma - Atomic Emission Spectrometry Acid Digestion of Waters for Total Recoverable or	TAL SAV	SW846 6010B	SW846 3005A
	TAL SAV		

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

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

SAMPLE SUMMARY

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-39357-1	EQB-1	Water	08/07/2008 1220	08/08/2008 0901
680-39357-2	ITF-3	Water	08/07/2008 1230	08/08/2008 0901
680-39357-3TB	TRIP BLANK	Water	08/07/2008 0000	08/08/2008 0901

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: EQB-1

Lab Sample ID: 680-39357-1

Date Sampled: 08/07/2008 1220

Client Matrix: Water

Date Received: 08/08/2008 0901

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-114175	Instrument ID:	GC/MS Volatiles - O
Preparation:	5030B			Lab File ID:	o4327.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/12/2008 1826			Final Weight/Volume:	5 mL
Date Prepared:	08/12/2008 1826				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Surr)	99	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: ITF-3

Lab Sample ID: 680-39357-2

Date Sampled: 08/07/2008 1230

Client Matrix: Water

Date Received: 08/08/2008 0901

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-114175	Instrument ID: GC/MS Volatiles - O
Preparation:	5030B		Lab File ID: o4331.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	08/12/2008 1924		Final Weight/Volume: 5 mL
Date Prepared:	08/12/2008 1924		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	2.1		2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Sur)	101	75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-39357-3TB

Date Sampled: 08/07/2008 0000

Client Matrix: Water

Date Received: 08/08/2008 0901

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch:	680-114175	Instrument ID:	GC/MS Volatiles - O
Preparation:	5030B			Lab File ID:	o4329.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/12/2008 1855			Final Weight/Volume:	5 mL
Date Prepared:	08/12/2008 1855				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	94		75 - 120
Dibromofluoromethane	97		75 - 121
Toluene-d8 (Surr)	98		75 - 120

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: EQB-1

Lab Sample ID: 680-39357-1

Date Sampled: 08/07/2008 1220

Client Matrix: Water

Date Received: 08/08/2008 0901

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-114407	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-113948	Lab File ID: t0751.d
Dilution:	1.0	Initial Weight/Volume: 1060 mL	Final Weight/Volume: 1 mL
Date Analyzed:	08/14/2008 1848	Injection Volume:	1.0 uL
Date Prepared:	08/11/2008 1327		

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47	*	47
Surrogate	%Rec	Acceptance Limits	
Phenol-d5	62	38 - 116	
2-Fluorophenol	56	36 - 110	
2,4,6-Tribromophenol	45	40 - 139	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: ITF-3

Lab Sample ID: 680-39357-2

Date Sampled: 08/07/2008 1230

Client Matrix: Water

Date Received: 08/08/2008 0901

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-114407	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-113948	Lab File ID: t0752.d
Dilution:	1.0		Initial Weight/Volume: 1060 mL
Date Analyzed:	08/14/2008 1912		Final Weight/Volume: 1 mL
Date Prepared:	08/11/2008 1327		Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Phenol	<9.4		9.4
2,4-Dimethylphenol	<9.4		9.4
Pentachlorophenol	<47	*	47

Surrogate	%Rec	Acceptance Limits
Phenol-d5	55	38 - 116
2-Fluorophenol	49	36 - 110
2,4,6-Tribromophenol	62	40 - 139

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: EQB-1

Lab Sample ID: 680-39357-1

Date Sampled: 08/07/2008 1220

Client Matrix: Water

Date Received: 08/08/2008 0901

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-74374	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-74244	Lab File ID:	005-0501.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	08/13/2008 1402			Final Weight/Volume:	1.0 mL
Date Prepared:	08/12/2008 1014			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.94		0.94
Acenaphthylene	<0.94		0.94
Anthracene	<0.94		0.94
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.94		0.94
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.94		0.94
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.94		0.94
Fluorene	<0.94		0.94
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.94		0.94
2-Methylnaphthalene	<0.94		0.94
Naphthalene	<0.94		0.94
Phenanthrene	<0.94		0.94
Pyrene	<0.94		0.94
Surrogate	%Rec	Acceptance Limits	
2-Chloroanthracene	47	43 - 151	

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: ITF-3

Lab Sample ID: 680-39357-2

Date Sampled: 08/07/2008 1230

Client Matrix: Water

Date Received: 08/08/2008 0901

8310 Polynuclear Aromatic Hydrocarbons

Method:	8310	Analysis Batch:	400-74374	Instrument ID:	HPLC/UV/FLUOR
Preparation:	3520C	Prep Batch:	400-74244	Lab File ID:	006-0601.D
Dilution:	1.0			Initial Weight/Volume:	1070 mL
Date Analyzed:	08/13/2008 1435			Final Weight/Volume:	1.0 mL
Date Prepared:	08/12/2008 1014			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<0.93		0.93
Acenaphthylene	<0.93		0.93
Anthracene	<0.93		0.93
Benzo[a]anthracene	<0.19		0.19
Benzo[a]pyrene	<0.19		0.19
Benzo[b]fluoranthene	<0.19		0.19
Benzo[g,h,i]perylene	<0.93		0.93
Benzo[k]fluoranthene	<0.47		0.47
Chrysene	<0.93		0.93
Dibenz(a,h)anthracene	<0.19		0.19
Fluoranthene	<0.93		0.93
Fluorene	<0.93		0.93
Indeno[1,2,3-cd]pyrene	<0.19		0.19
1-Methylnaphthalene	<0.93		0.93
2-Methylnaphthalene	<0.93		0.93
Naphthalene	11		0.93
Phenanthrene	<0.93		0.93
Pyrene	<0.93		0.93
Surrogate	%Rec		Acceptance Limits
2-Chloroanthracene	80		43 - 151

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: EQB-1

Lab Sample ID: 680-39357-1
Client Matrix: Water

Date Sampled: 08/07/2008 1220
Date Received: 08/08/2008 0901

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method:	6010B	Analysis Batch: 680-114169	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch: 680-113942	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	08/11/2008 2210		Final Weight/Volume:	50 mL
Date Prepared:	08/11/2008 0847			

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

Analytical Data

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Client Sample ID: ITF-3

Lab Sample ID: 680-39357-2
Client Matrix: WaterDate Sampled: 08/07/2008 1230
Date Received: 08/08/2008 0901**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable**

Method:	6010B	Analysis Batch:	680-114169	Instrument ID:	ICP/AES - D
Preparation:	3005A	Prep Batch:	680-113942	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/11/2008 2215			Final Weight/Volume:	50 mL
Date Prepared:	08/11/2008 0847				

Analyte	Result (ug/L)	Qualifier	RL
Arsenic	<10		10
Chromium	<10		10

DATA REPORTING QUALIFIERS

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	*	LCS or LCSD exceeds the control limits

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Method Blank - Batch: 680-114175

Lab Sample ID: MB 680-114175/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1335
Date Prepared: 08/12/2008 1335

Analysis Batch: 680-114175
Prep Batch: N/A
Units: ug/L

Method: 8260B Preparation: 5030B

Instrument ID: GC/MS Volatiles - O
Lab File ID: oq173.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Methyl tert-butyl ether	<10		10
Toluene	<1.0		1.0
Xylenes, Total	<2.0		2.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	94	75 - 120	
Dibromofluoromethane	97	75 - 121	
Toluene-d8 (Surr)	99	75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 680-114175

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 680-114175/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1139
Date Prepared: 08/12/2008 1139

Analysis Batch: 680-114175
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O
Lab File ID: oq165.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-114175/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1208
Date Prepared: 08/12/2008 1208

Analysis Batch: 680-114175
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O
Lab File ID: oq167.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
Benzene	95	97	77 - 119	1	30	
Ethylbenzene	99	100	86 - 116	2	30	
Methyl tert-butyl ether	95	98	77 - 121	3	30	
Toluene	95	95	81 - 117	0	30	
Xylenes, Total	99	102	84 - 118	3	30	
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits	
4-Bromofluorobenzene	95		98		75 - 120	
Dibromofluoromethane	95		98		75 - 121	
Toluene-d8 (Surr)	97		99		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Method Blank - Batch: 680-113948

Method: 8270C

Preparation: 3520C

Lab Sample ID: MB 680-113948/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/14/2008 1800
Date Prepared: 08/11/2008 1327

Analysis Batch: 680-114407
Prep Batch: 680-113948
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t0749.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
Phenol	<10		10
2,4-Dimethylphenol	<10		10
Pentachlorophenol	<50		50
Surrogate	% Rec		Acceptance Limits
Phenol-d5	70		38 - 116
2-Fluorophenol	64		36 - 110
2,4,6-Tribromophenol	41		40 - 139

Lab Control Spike - Batch: 680-113948

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 680-113948/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/14/2008 1824
Date Prepared: 08/11/2008 1327

Analysis Batch: 680-114407
Prep Batch: 680-113948
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t0750.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	64.7	65	39 - 110	
2,4-Dimethylphenol	100	49.5	50	36 - 110	
Pentachlorophenol	100	<50	32	37 - 132	*
Surrogate	% Rec		Acceptance Limits		
Phenol-d5	62		38 - 116		
2-Fluorophenol	56		36 - 110		
2,4,6-Tribromophenol	62		40 - 139		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Method Blank - Batch: 400-74244

Method: 8310

Preparation: 3520C

Lab Sample ID: MB 400-74244/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1254
Date Prepared: 08/12/2008 1014

Analysis Batch: 400-74374
Prep Batch: 400-74244
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 003-0301.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	<1.0		1.0
Acenaphthylene	<1.0		1.0
Anthracene	<1.0		1.0
Benzo[a]anthracene	<0.20		0.20
Benzo[a]pyrene	<0.20		0.20
Benzo[b]fluoranthene	<0.20		0.20
Benzo[g,h,i]perylene	<1.0		1.0
Benzo[k]fluoranthene	<0.50		0.50
Chrysene	<1.0		1.0
Dibenz(a,h)anthracene	<0.20		0.20
Fluoranthene	<1.0		1.0
Fluorene	<1.0		1.0
Indeno[1,2,3-cd]pyrene	<0.20		0.20
1-Methylnaphthalene	<1.0		1.0
2-Methylnaphthalene	<1.0		1.0
Naphthalene	<1.0		1.0
Phenanthrene	<1.0		1.0
Pyrene	<1.0		1.0
Surrogate	% Rec	Acceptance Limits	
2-Chloroanthracene	105	43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Lab Control Spike - Batch: 400-74244

Method: 8310

Preparation: 3520C

Lab Sample ID: LCS 400-74244/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1328
Date Prepared: 08/12/2008 1014

Analysis Batch: 400-74374
Prep Batch: 400-74244
Units: ug/L

Instrument ID: HPLC/UV/FLUOR
Lab File ID: 004-0401.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	10.0	9.46	95	31 - 109	
Acenaphthylene	10.0	9.30	93	39 - 105	
Anthracene	10.0	10.1	101	43 - 121	
Benzo[a]anthracene	10.0	11.1	111	60 - 124	
Benzo[a]pyrene	10.0	12.4	124	41 - 128	
Benzo[b]fluoranthene	10.0	11.0	110	48 - 116	
Benzo[g,h,i]perylene	10.0	10.9	109	17 - 138	
Benzo[k]fluoranthene	10.0	11.1	111	35 - 120	
Chrysene	10.0	11.9	119	54 - 120	
Dibenz(a,h)anthracene	10.0	10.7	107	13 - 134	
Fluoranthene	10.0	10.7	107	55 - 138	
Fluorene	10.0	9.53	95	41 - 112	
Indeno[1,2,3-cd]pyrene	10.0	11.1	111	31 - 130	
1-Methylnaphthalene	10.0	9.59	96	32 - 96	
2-Methylnaphthalene	10.0	9.58	96	34 - 97	
Naphthalene	10.0	9.05	91	19 - 135	
Phenanthrene	10.0	10.0	100	45 - 117	
Pyrene	10.0	11.0	110	61 - 127	
Surrogate		% Rec		Acceptance Limits	
2-Chloroanthracene		107		43 - 151	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Weston Solutions, Inc.

Job Number: 680-39357-1

Method Blank - Batch: 680-113942

Lab Sample ID: MB 680-113942/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1954
Date Prepared: 08/11/2008 0847

Analysis Batch: 680-114169
Prep Batch: 680-113942
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<10		10
Chromium	<10		10

Lab Control Spike - Batch: 680-113942

Lab Sample ID: LCS 680-113942/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1959
Date Prepared: 08/11/2008 0847

Analysis Batch: 680-114169
Prep Batch: 680-113942
Units: ug/L

Method: 6010B
Preparation: 3005A
Total Recoverable

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1980	99	75 - 125	
Chromium	200	208	104	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Savannah

5102 LaRoche Avenue

5102 Larkins Avenue
Savannah, GA 31404

Savannah, GA 31404

Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: BRANT MCCANCESS		Lab PM: Page, Abbie		Carrier Tracking No(s):		COC No: 680-17431.1					
Client Contact: Mr. Ralph McKeen		Phone: 770.325.7906		E-Mail: abbie.page@testamericainc.com				Page: Page 1 of 1					
Company: Weston Solutions, Inc.								Job #:					
Address: 5430 Metric Place Suite 100		Due Date Requested: 8/15/08				Analysis Requested		Preservation Codes:					
City: Norcross		TAT Requested (days): 5 DAY						A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2S03 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)					
State, Zip: GA, 30092													
Phone: 386-462-2414(Tel) 770.325.7938		PO #: 62999											
Email: ralph.mckeен@westonsolutions.com		WO #: 05791.004.004, 05791.008.001.0004 0010											
Project Name: Cabot Extended Sampling		Project #: 68000815											
Site: CABOT KOPPERS		SSOW#:											
GAINESVILLE FL		08	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=tissue, A=Air)	8010B - As, Cr	8260B - VOCs	8270C - SVOCs	8310 - PAH's	Number of containers		
Sample Identification											Special Instructions/Note:		
EQB-1		8/17/08	1220	G	Water		X X X X						
ITF-3		8/17/08	1230	G	Water		X X X X						
TRIPBLANK		—	—	—	W		X						
TEMP.: 24													
68039357													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months							
Deliverable Requested: I, II, III, IV, Other (specify)													
Special Instructions/QC Requirements:													
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:							
Relinquished by: Brant McCance		Date/Time: 8/17/08 1500		Company: WESTON		Received by: FE 0E x #86132791		Date/Time:		Company			
Relinquished by:		Date/Time:		Company		Received by: 5215		Date/Time:		Company			
Relinquished by:		Date/Time:		Company		Received by: 7/10/08		Date/Time: 07/08/08 0901		Company: 7748			
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:									
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Date of Report: 08/18/2008

Ralph McKeen

Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

RE: Cabot

BC Work Order: 0810353

Enclosed are the results of analyses for samples received by the laboratory on 8/8/2008. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Anna Trammel
Client Service Rep

Authorized Signature

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Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0810353-01	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	--- --- --- ITF-3 Brant McCanless	Receive Date: 08/08/2008 09:49 Sampling Date: 08/07/2008 12:30 Sample Depth: --- Sample Matrix: Water

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5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Draft: Terpenes (EPA Method 8270C)

BCL Sample ID:	0810353-01	Client Sample Name: ITF-3, 8/7/2008 12:30:00PM, Brant McCanless											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	QC Dilution	MB Batch ID	Lab Bias	Quals
trans-Anethol	ND	ug/L	2.0	0.52	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Borneol	ND	ug/L	2.0	0.45	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Camphene	ND	ug/L	2.0	0.47	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Camphor	ND	ug/L	2.0	0.47	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Cineole	ND	ug/L	2.0	0.57	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Dipentene	ND	ug/L	2.0	0.47	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Isoborneol	ND	ug/L	2.0	0.53	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Limonene	ND	ug/L	2.0	0.89	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
alpha-Pinene	ND	ug/L	2.0	0.81	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
beta-Pinene	ND	ug/L	2.0	0.48	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
alpha-Terpineol	ND	ug/L	2.0	0.47	EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	ND	
Nitrobenzene-d5 (Surrogate)	88.2	%	47 - 121 (LCL - UCL)		EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978		
2-Fluorobiphenyl (Surrogate)	86.6	%	43 - 111 (LCL - UCL)		EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978		
p-Terphenyl-d14 (Surrogate)	188	%	46 - 102 (LCL - UCL)		EPA-8270C	08/08/08	08/15/08 23:45	SKC	MS-B2	1	BRH0978	S09	

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5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Spike Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery
trans-Anethol	BRH0978	Matrix Spike	0807421-78	ND	64.489	80.000	ug/L	80.6	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	63.014	80.000	ug/L	2.3	78.8	30	70 - 130
Borneol	BRH0978	Matrix Spike	0807421-78	ND	69.848	80.000	ug/L	87.3	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	66.497	80.000	ug/L	4.9	83.1	30	70 - 130
Camphene	BRH0978	Matrix Spike	0807421-78	ND	59.706	80.000	ug/L	74.6	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	57.838	80.000	ug/L	3.1	72.3	30	70 - 130
Camphor	BRH0978	Matrix Spike	0807421-78	ND	69.921	80.000	ug/L	87.4	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	67.339	80.000	ug/L	3.7	84.2	30	70 - 130
Cineole	BRH0978	Matrix Spike	0807421-78	ND	66.943	80.000	ug/L	83.7	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	65.153	80.000	ug/L	2.8	81.4	30	70 - 130
Dipentene	BRH0978	Matrix Spike	0807421-78	ND	61.048	80.000	ug/L	76.3	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	60.008	80.000	ug/L	1.7	75.0	30	70 - 130
Isoborneol	BRH0978	Matrix Spike	0807421-78	ND	67.334	80.000	ug/L	84.2	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	66.072	80.000	ug/L	1.9	82.6	30	70 - 130
Limonene	BRH0978	Matrix Spike	0807421-78	ND	64.580	80.000	ug/L	80.7	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	62.681	80.000	ug/L	2.9	78.4	30	70 - 130
alpha-Pinene	BRH0978	Matrix Spike	0807421-78	ND	57.182	80.000	ug/L	71.5	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	54.853	80.000	ug/L	4.1	68.6	30	70 - 130
beta-Pinene	BRH0978	Matrix Spike	0807421-78	ND	59.607	80.000	ug/L	74.5	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	59.246	80.000	ug/L	0.5	74.1	30	70 - 130
alpha-Terpineol	BRH0978	Matrix Spike	0807421-78	ND	70.807	80.000	ug/L	88.5	70 - 130		
		Matrix Spike Duplicate	0807421-78	ND	70.898	80.000	ug/L	0.1	88.6	30	70 - 130
Nitrobenzene-d5 (Surrogate)	BRH0978	Matrix Spike	0807421-78	ND	154.41	80.000	ug/L	193	47 - 121	S09	
		Matrix Spike Duplicate	0807421-78	ND	154.16	80.000	ug/L	193	47 - 121	S09	
2-Fluorobiphenyl (Surrogate)	BRH0978	Matrix Spike	0807421-78	ND	143.05	80.000	ug/L	179	43 - 111	S09	
		Matrix Spike Duplicate	0807421-78	ND	137.97	80.000	ug/L	172	43 - 111	S09	

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Weston Solutions, Inc.
5430 Metric Place, Ste. 100
Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits			
									Percent Recovery	RPD	Percent Recovery	Lab Quals
p-Terphenyl-d14 (Surrogate)	BRH0978	Matrix Spike	0807421-78	ND	152.51	40.000	ug/L	381	46 - 102	S09		
		Matrix Spike Duplicate	0807421-78	ND	148.18	40.000	ug/L	370	46 - 102	S09		

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Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	<u>Control Limits</u>				
								Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
trans-Anethol	BRH0978	BRH0978-BS1	LCS	62.229	80.000	2.0	ug/L	77.8		70 - 130		
Borneol	BRH0978	BRH0978-BS1	LCS	65.332	80.000	2.0	ug/L	81.7		70 - 130		
Camphene	BRH0978	BRH0978-BS1	LCS	60.089	80.000	2.0	ug/L	75.1		70 - 130		
Camphor	BRH0978	BRH0978-BS1	LCS	65.764	80.000	2.0	ug/L	82.2		70 - 130		
Cineole	BRH0978	BRH0978-BS1	LCS	64.900	80.000	2.0	ug/L	81.1		70 - 130		
Dipentene	BRH0978	BRH0978-BS1	LCS	59.921	80.000	2.0	ug/L	74.9		70 - 130		
Isoborneol	BRH0978	BRH0978-BS1	LCS	65.206	80.000	2.0	ug/L	81.5		70 - 130		
Limonene	BRH0978	BRH0978-BS1	LCS	69.129	80.000	2.0	ug/L	86.4		70 - 130		
alpha-Pinene	BRH0978	BRH0978-BS1	LCS	57.553	80.000	2.0	ug/L	71.9		70 - 130		
beta-Pinene	BRH0978	BRH0978-BS1	LCS	59.851	80.000	2.0	ug/L	74.8		70 - 130		
alpha-Terpineol	BRH0978	BRH0978-BS1	LCS	69.860	80.000	2.0	ug/L	87.3		70 - 130		
Nitrobenzene-d5 (Surrogate)	BRH0978	BRH0978-BS1	LCS	152.57	80.000		ug/L	191		47 - 121	S09	
2-Fluorobiphenyl (Surrogate)	BRH0978	BRH0978-BS1	LCS	140.54	80.000		ug/L	176		43 - 111	S09	
p-Terphenyl-d14 (Surrogate)	BRH0978	BRH0978-BS1	LCS	146.03	40.000		ug/L	365		46 - 102	S09	

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Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Draft: Terpenes (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
trans-Anethol	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.52	
Borneol	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.45	
Camphepane	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.47	
Camphor	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.47	
Cineole	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.57	
Dipentene	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.47	
Isoborneol	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.53	
Limonene	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.89	
alpha-Pinene	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.81	
beta-Pinene	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.48	
alpha-Terpineol	BRH0978	BRH0978-BLK1	ND	ug/L	2.0	0.47	
Nitrobenzene-d5 (Surrogate)	BRH0978	BRH0978-BLK1	92.9	%	47 - 121 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BRH0978	BRH0978-BLK1	93.0	%	43 - 111 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BRH0978	BRH0978-BLK1	192	%	46 - 102 (LCL - UCL)	S09	

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Norcross, GA 30092-2550

Project: Cabot
Project Number: [none]
Project Manager: Ralph McKeen

Reported: 08/18/2008 13:34

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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	NS	ND	NS	8	NS	ND	NS	ND	NS	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 ($\mu\text{g/L}$) (1)	Hunter/ESE 1989 Results ($\mu\text{g/L}$) (2)	WESTON June 1992 Results ($\mu\text{g/L}$) (3)	WESTON October 1992 Results ($\mu\text{g/L}$) (3)	WESTON January 1993 Results ($\mu\text{g/L}$) (3)	WESTON April 1993 Results ($\mu\text{g/L}$) (3)	WESTON July 1993 Results ($\mu\text{g/L}$) (3)	WESTON October 1993 Results ($\mu\text{g/L}$) (3)	WESTON January 1994 Results ($\mu\text{g/L}$) (3)	WESTON April 1994 Results ($\mu\text{g/L}$) (3)	WESTON July 1994 Results ($\mu\text{g/L}$) (3)	WESTON October 1994 Results ($\mu\text{g/L}$) (3)	WESTON January 1995 Results ($\mu\text{g/L}$) (3)	WESTON April 1995 Results ($\mu\text{g/L}$) (3)	ROD Cleanup Goal ($\mu\text{g/L}$)
ITW-6	Chromium	170	NS	170	110	NS	NS	NS	NS	NS	7	NS	NS	NS	NS	*100
	Naphthalene	1,700	NS	1,100	580	NS	NS	NS	NS	NS	450	NS	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	ND	NS	NS	NS	NS	NS	11	NS	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	90	NS	NS	NS	NS	260
	Fluorene	200	NS	73	ND	NS	NS	NS	NS	NS	83	NS	NS	NS	NS	323
	Phenanthrene	32	NS	19	ND	NS	NS	NS	NS	NS	28	NS	NS	NS	NS	130
	Anthracene	<10	NS	2	ND	NS	NS	NS	NS	NS	2	NS	NS	NS	NS	1,310
	Benzene	<10	NS	1.2	1.5	NS	NS	NS	NS	NS	1	NS	NS	NS	NS	1
ITW-7	Chromium	280	NS	110	82	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	*100
	Arsenic	23	NS	57	ND	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	50
	Acenaphthylene	10	NS	ND	11	NS	NS	NS	NS	NS	7.4	NS	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	2.7	NS	NS	NS	NS	260
	Fluorene	ND	ND	ND	ND	NS	NS	NS	NS	NS	3.3	NS	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	ND	NS	NS	NS	NS	NS	0.4	NS	NS	NS	NS	130
	Anthracene	ND	ND	ND	ND	NS	NS	NS	NS	NS	0.4	NS	NS	NS	NS	1,310
	Total Potentially Carcinogenic PAHs	ND	NS	0.8	ND	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	0.003
ITW-8	Benzene	25	NS	14	12	NS	NS	NS	NS	NS	16	NS	NS	NS	NS	1
	Chromium	80	NS	7	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	*100
	Arsenic	1	NS	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	50
	Phenol	890	NS	720	NS	NS	NS	NS	NS	NS	350	NS	NS	NS	NS	2,630
	Naphthalene	48	NS	15	NS	NS	NS	NS	NS	NS	8.2	NS	NS	NS	NS	18
	Acenaphthylene	ND	NS	73	NS	NS	NS	NS	NS	NS	100	NS	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	22	NS	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	1.2	NS	NS	NS	NS	323
ITW-9	Benzene	40	NS	ND	NS	NS	NS	NS	47	NS	31	NS	NS	NS	NS	1
	Chromium	170	NS	14	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	*100
	Arsenic	4	NS	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	50
	Naphthalene	ND	ND	ND	NS	NS	NS	NS	NS	NS	30	NS	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	NS	NS	NS	NS	NS	NS	120	NS	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	54	NS	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	3.6	NS	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS	NS	130
	Phenol	76	NS	180	NS	NS	NS	NS	NS	NS	190	NS	NS	NS	NS	2,630
	Benzene	<10	NS	31	NS	NS	NS	NS	NS	22	NS	NS	ND	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
ITW-12	Phenol	ND	NS	ND	ND	ND	ND	ND	ND	8,500	ND	ND	ND	ND	ND	2,630
	Chromium	0.06	NS	NS	NS	NS	NS	12	ND	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	25	5	ND	ND	ND	ND	6	10	*100	
	Benzene	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	4.5	15	3.5	ND	2.1	ND	20	6	18	
	Acenaphthylene	NS	NS	NS	NS	NS	10	ND	7.1	ND	4.2	ND	ND	ND	130	
	Acenaphthene	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	13	6.2	ND	260	
	Anthracene	NS	NS	NS	NS	NS	ND	ND	ND	ND	0.9	0.39	0.2	ND	1,310	
	Pyrene	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.4	ND	ND	ND	130	
	Fluorene	NS	NS	NS	NS	NS	0.7	ND	ND	ND	0.3	1.2	1.3	ND	323	
	PCP	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	94	ND	ND	0.1	
	Phenol	NS	NS	NS	NS	NS	ND	3,000	ND	ND	ND	ND	340	ND	2,630	
	Phenanthrene	NS	NS	NS	NS	NS	ND	0.5	ND	ND	ND	1.3	0.32	ND	130	
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	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	*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	19	ND	ND	50	
	PCP	NS	NS	NS	NS	NS	NS	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	323	
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	NS	0.4	ND	ND	ND	0.5	0.88	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	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	124	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	ND	0.2	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	ND	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	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
	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-006	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	ND	0.69	ND	0.31
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND	0.22
	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-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	RUL cleanup goal		
ITW-1	Chromium	ND	ND	ND	ND	*100																				
ITW-1	Acenaphthene	0.67	ND	0.72	0.6	0.19	0.50	0.47	ND	1	ND	ND	260													
ITW-1	Anthracene	ND	ND	ND	ND	ND	0.079	0.044	ND	ND	ND	ND	1,310													
ITW-1	Fluorene	0.9	0.54	0.81	0.49	0.32	0.31	0.37	ND	ND	ND	ND	323													
ITW-1	Naphthalene	ND	ND	ND	ND	ND	ND	1.60	ND	ND	ND	ND	16													
ITW-1	Phenanthrene	ND	ND	ND	ND	ND	0.045	ND	ND	ND	ND	130														
ITW-1	1-Methylnaphthalene	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	*														
ITW-1	2-Methylnaphthalene	ND	ND	ND	ND	ND	0.66	ND	ND	ND	ND	*														
ITW-2	Benzene	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND														
ITW-2	Total Xylenes	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	*														
ITW-2	Acenaphthene	ND	0.66	1.3	0.8	0.12	67	ND	ND	ND	ND	260														
ITW-2	Anthracene	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	1,310														
ITW-2	Fluoranthene	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	*														
ITW-2	Fluorene	0.98	1	1.6	1.3	0.61	52	0.19	ND	0.56	ND	0.52	ND	ND	ND	ND	323									
ITW-2	Naphthalene	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	18								
ITW-2	Phenanthrene	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	130														
ITW-2	Pyrene	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	130														
ITW-2	2-Methylnaphthalene	ND	ND	ND	ND	ND	58	ND	ND	ND	ND	*														
ITW-2	Chromium	ND	ND	ND	ND	*100																				
ITW-13	Benzene	82	85	55	120	61	72	ND	63	ND	ND	58	64	88	81	87	81	88	81	74	100	73	1			
ITW-13	Toluene	460	430	250	350	250	300	350	230	190	170	170	270	280	310	290	310	440	390	280	420	320	*			
ITW-13	Ethylbenzene	320	300	220	370	240	240	260	250	190	230	240	260	280	280	300	270	270	260	270	350	320	*			
ITW-13	Total Xylenes	208	174	116	255	154	135	144	150	120	150	140	180	160	190	180	180	170	160	210	200	*				
ITW-13	Acenaphthene	ND	0.52	ND	ND	0.17	ND	ND	ND	ND	260															
ITW-13	Acenaphthylene	56	24	ND	ND	13	1.2	12	ND	ND	ND	ND	9.8	ND	ND	ND	ND	130								
ITW-13	Anthracene	ND	ND	ND	ND	ND	0.0084	ND	ND	ND	ND	1,310														
ITW-13	Benzo (a) anthracene	ND	ND	ND	ND	ND	0.012	ND	ND	ND	ND	PAH														
ITW-13	Benzo (b) fluoranthene	ND	ND	ND	ND	ND	0.031	ND	ND	ND	ND	PAH														
ITW-13	Fluorene	0.56	ND	ND	ND	ND	323																			
ITW-13	Naphthalene	84	55	80	35	28	36	34	ND	24	23	21	31	54	48	45	26	ND	45	71	41	53	38	18		
ITW-13	Phenanthrene	ND	ND	ND	ND	130																				
ITW-13	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	0.043	ND	ND	ND	ND	0.003															
ITW-13	1-Methylnaphthalene	2.5	4.3	ND	3	1.2	ND	ND	ND	ND	ND	ND	2.7	4.6	3.3	ND	ND	5.8	ND	2.3	3.3	ND	*			
ITW-13	2-Methylnaphthalene	5.8	5.5	ND	3.4	2.4	1.5	0.99	ND	ND	ND	ND	1.6	ND	4.1	3.9	3.7	ND	ND	3.4	ND	2.4	3.9	ND	*	
ITW-13	Phenol	9000	4100	2000	5800	7700	4200	10000	5300	2400	ND	940	5200	6200	13000	8800	4600	1500	3100	6100	6300	5900	8300	2630	*	
ITW-13	2,4-Dimethylphenol	3000	3300	2600	2000	2800	2200	2700	2900	1800	990	2600	2200	1800	3100	2600	1900	830	1800	2200	2000	2300	2400	*		
ITW-13	2-Methylphenol	NS	1800	440	1700	NS	NS	NS	NS	NS	*															
ITW-13	3&4-Methylphenol	NS	6000	950	2700	NS	NS	NS	NS	NS	*															
ITW-13	Arsenic	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	10	50													
ITW-13	Chromium	22	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	*100								
ITW-14	Benzene	ND	ND	30	45	31	43	ND	33	26	ND	ND	25	31	57	47	26	ND	ND	39	46	28	1			
ITW-14	Toluene	490	360	590	880	540	730	300	630	440	470	380	350	440	420	790	650	230	670	500	580	700	430	*		
ITW-14	Ethylbenzene	130	120	120	210	140	140	ND	150	116	130	110	94	120	120	156	97	200	120	160	180	120	120	*		
ITW-14	Total Xylenes	468	345	395	624	389	444	470	320	440	330	270	320	350	620	470	280	640	380	470	480	380	470	*		
ITW-14	Acenaphthene	170	66	34	36	240	77	4.8	60	ND	ND	ND	ND	23	250	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	260
ITW-14	Acenaphthylene	1000	440	ND	76	1000	370	83	ND	ND	ND	ND	420	ND	ND	ND	480	610	320	240	**4900	ND	380	260	130	
ITW-14	Anthracene	44	12	ND	9.1	76	0.30	2.7	ND	ND	ND	ND	26.0	3.2	3.0	3.0	5.1	ND	ND	ND	ND	ND	ND	ND	1310	
ITW-14	Benzo (a) anthracene	180	51	ND	3.8	ND	2.8	3.4	1.0	2.2	ND	ND	3.4	**100	0.2	ND	ND	PAH								
ITW-14	Benzo (a) pyrene	7.3	1.1	ND	ND	17	ND	ND	ND	ND	ND	ND	4.6	5.7	1.8	3.7	ND	ND	0.57	**45	ND	5	ND	PAH		
ITW-14	Benzo (b) fluoranthene	80	4.8	ND	ND	120	75	ND	ND	ND	ND	ND	1.3	23	120	ND	27	**1300	1.2	15	13	13	PAH			
ITW-14	Benzo (g,h,i) perlyene	ND	ND	ND	ND	8.1	3.8	ND	ND	ND	ND	ND	11.0	10.0	2.3	12.0	ND	ND	3.6	**300	ND	ND	ND	*		
ITW-14	Benzo (k) fluoranthene	ND	ND	ND	ND	24	16	ND	ND	ND	ND	ND	9.5	11	2.6	9.5	ND	ND	8.4	**320	ND	ND	ND	PAH		
ITW-14	Chrysene	260	56	ND	4	ND	28	ND	ND	900	ND	170	5.7	ND	4.7	14.0	ND	ND	41	**1500	4	ND	16	PAH		
ITW-14	Dibenzo (a,h) anthracene	ND	3.3	3.8	3.6	6.2	ND	ND	ND	**120	ND	ND	ND	PAH												
ITW-14	Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	34	24	ND	ND	ND	ND	ND	0.7	0.73	ND	3	ND	ND	4	**250	ND	ND	ND	PAH		
ITW-14	Fluoranthene	120	52	ND	17	ND	260	ND	ND	ND	ND	ND	140	180	60	ND	500	ND	190	**10000	19	150	79	*		
ITW-14	Fluorene	230	99	ND	20	350	260	20	ND	52.0	67.0	140	ND	61	**2400	ND	71	36	323							

Appendix D

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

WELL DESIGNATION	PARAMETERS	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	ROD cleanup goal		
ITW-14	Naphthalene	526	310	460	200	930	1000	170	530	ND	400	ND	ND	210	230	250	260	250	**3000	120	200	260	18			
ITW-14	Phenanthrene	190	43	42	69	480	240	20	120	210	ND	140	ND	11	20	ND	30	**1400	ND	29	15	130				
ITW-14	Pyrene	7.3	11	ND	13	ND	24	ND	ND	ND	23	ND	8.8	12	280	ND	130									
ITW-14	1-Methylnaphthalene	300	130	300	140	410	230	41	350	ND	ND	170	ND	ND	110	150	310	83	180	**4300	36	170	150	*		
ITW-14	2-Methylnaphthalene	180	150	220	200	1200	590	60	470	ND	ND	ND	ND	91	100	200	97	120	**4200	60	80	130	*			
ITW-14	Total Potentially Carcinogenic PAHs	507.3	112.9	ND	7.8	195	143	0	0	900	0	170	26.6	24.6	15	61.3	120	0	84.07	0	5.1	20	29	0.003		
ITW-14	Phenol	ND	140	ND	280	ND	1100	ND	750	ND	290	ND	ND	220	640	520	ND	2,630								
ITW-14	2,4-Dimethylphenol	1800	1900	4700	2000	8400	ND	2600	4600	1800	4400	1900	2700	3000	4300	4800	4900	11000	3900	1700	2600	3900	6100	*		
ITW-14	2-Methylphenol	NS	1800	2200	640	NS	*																			
ITW-14	3&4-Methylphenol	NS	3500	2700	1000	NS	*																			
ITW-14	Arsenic	21	16	14	15	12	ND	11	ND	50																
ITW-14	Chromium	ND	*100																							
WWW-17E	Benzene	ND	1																							
WWW-17E	Ethylbenzene	ND	*																							
WWW-17E	Total Xylenes	ND	3.4																							
WWW-17E	Acenaphthene	ND	ND	0.37	0.26	ND	0.30	ND	250																	
WWW-17E	Acenaphthylene	ND	ND	ND	ND	0.14	0.48	ND	2.3	2.5	ND	ND	ND	ND	ND	130										
WWW-17E	Anthracene	ND	ND	ND	ND	ND	0.010	ND	1,310																	
WWW-17E	Fluorene	ND	323																							
WWW-17E	Naphthalene	ND	ND	ND	ND	ND	0.40	ND	2.6																	
WWW-17E	Phenanthrene	ND	130																							
WWW-17E	Pyrene	ND	130																							
WWW-17E	Total Potentially Carcinogenic PAHs	ND	0.003																							
WWW-17E	1-Methylnaphthalene	ND	ND	ND	ND	ND	0.088	ND	1.3																	
WWW-17E	2-Methylnaphthalene	ND	ND	ND	ND	ND	0.32	ND	*																	
WWW-17E	2,4-Dimethylphenol	ND	0.1																							
WWW-17E	PCP	ND	2,630																							
WWW-17E	Phenol	ND	*100																							
WWW-17E	Chromium	ND	12	11	55	ND	ND	ND	ND	ND																
WWW-18E	Benzene	ND	ND	1																						
WWW-18E	Ethylbenzene	ND	*																							
WWW-18E	Total Xylenes	ND	*																							
WWW-18E	Acenaphthene	ND	ND	ND	ND	ND	0.056	0.12	ND	250																
WWW-18E	Acenaphthylene	ND	130																							
WWW-18E	Benz(b)fluoranthene	ND	ND	ND	ND	ND	0.0047	ND	PAH																	
WWW-18E	Fluorene	ND	323																							
WWW-18E	Naphthalene	ND	18																							
WWW-18E	Phenanthrene	ND	ND	ND	ND	ND	0.029	ND	130																	
WWW-18E	Pyrene	ND	130																							
WWW-18E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	0.0047	ND	0.003																	
WWW-18E	1-Methylnaphthalene	ND	ND	ND	ND	ND	0.14	ND	*																	
WWW-18E	2-Methylnaphthalene	ND	ND	ND	ND	ND	0.28	ND	*																	
WWW-18E	PCP	ND	0.1																							
WWW-18E	2,4-Dimethylphenol	ND	ND	14	ND	*																				
WWW-18E	Chromium	66	ND	12	12	21	ND	10	17	13	10	17	73	70	170	220	ND	*100								
WWW-18E	Arsenic	ND	14	20	ND	ND	ND	ND	ND	50																
ESE-002	Benzene	ND	ND	ND	2	ND	ND	ND	ND	2.3	ND	1														
ESE-002	Ethylbenzene	ND	*																							
ESE-002	Total Xylenes	2	1	ND	3.3	2	ND	ND	3.1	5.2	ND	ND	6.8	ND	*											
ESE-002	Acenaphthene	4.8	18	10	16	64	0.50	35	18	41	ND	24	5	2.7	ND	3	16	ND	2	28	ND	ND	ND	20	260	
ESE-002	Acenaphthylene	ND	ND	ND	1.4	ND	130																			
ESE-002	Anthracene	0.55	1.8	0.91	1.0	1.3	0.015	1.1	2.0	ND	ND	ND	0.7	ND	1,310											
ESE-002	Benz(a)anthracene	ND	ND	ND	ND	0.034	ND	0.23	0.19	ND	ND	PAH														
ESE-002	Chrysene	ND	ND	ND	ND	0.057	ND	0.021	ND	PAH																
ESE-002	Fluoranthene	3.8	9.4	6.2	5.7	9.8	ND	7.3	8.2	ND	ND	8.5	5.6	4.7	5.3	6.6	ND	4.7	2.6	ND	18	9	8.1	*		
ESE-002	Fluorene	4.9	12.0	8.4	14	54	1.1	30.0	12.0	35.0	ND	22	4.5	3.6	7.8	2.1	3.8	2.3	1.5	34	ND	ND	11	323		

Appendix D

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

WELL DESIGNATION	PARAMETERS	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	ROD cleanup goal		
ESE-002	Naphthalene	1.8	5.6	3	10	65	ND	ND	6.2	ND	ND	ND	3	ND	2.6	18										
ESE-002	Phenanthrene	4.7	34.0	7.5	18.0	38.0	0.035	37	24	36	11	15	4	3.5	4.8	ND	ND	ND	ND	10	ND	ND	ND	21	130	
ESE-002	Pyrene	1.8	3.3	4.1	3.1	3.1	ND	ND	4.4	ND	ND	ND	3.6	2.5	2.5	2.7	2.6	1.6	1.5	4.8	11	3.9	4.2	4.2	130	
ESE-002	1-Methylnaphthalene	1.1	3.4	2.3	3.9	30	0.22	ND	4.1	ND	ND	ND	1.6	ND	3.4	ND	7.5	ND	2.4	*						
ESE-002	2-Methylnaphthalene	5.1	14.0	3.7	8.2	110.0	1.3	6.0	4.0	ND	ND	48	15	ND	14	4.7	14	ND	11	*						
Total Potentially Carcinogenic PAHs																										
ESE-002	Carcinogenic PAHs	ND	ND	ND	ND	0.091	ND	0.021	ND	0.23	0.19	0	0	0.003												
ESE-002	Phenol	ND	2.630																							
ESE-002	2,4-Dimethylphenol	12	ND	ND	12	ND	ND	ND	ND	13	ND	ND	22	ND	*											
ESE-002	Chromium	ND	12	ND	ND	ND	ND	ND	ND	10	ND	21	ND	ND	ND	ND	ND	*100								
ESE-004	Benzene	ND	1																							
ESE-004	Ethylbenzene	ND	2.2	1.3	2.2	1.7	1.6	2.0	1.3	1.8	1.3	1.3	ND	*												
ESE-004	Acenaphthylene	ND	130																							
ESE-004	Anthracene	ND	1,310																							
ESE-004	Fluorene	ND	ND																							
ESE-004	Naphthalene	ND	ND	ND	0.38	ND	0.48	ND	ND	323																
ESE-004	Phenanthrene	ND	18																							
ESE-004	2,4-Dimethylphenol	ND	ND	13	ND	14	ND	ND	*																	
ESE-004	Phenol	ND	2,630																							
ESE-007	Chromium	ND	12	10	ND	ND	ND	*100																		
ESE-007	Benzene	2.7	2.6	1.8	1.8	1.2	8	ND	ND	2.3	3.1	1.8	ND	1.1	4.7	3	11	9.5	20	14	12	9.3	11	1	*	
ESE-007	Toluene	9.5	26	6.8	3.8	3.3	78	62	25	22	33	7.8	43	11	26	2.2	190	210	280	190	180	120	170	ND	*	
ESE-007	Ethylbenzene	42	8.2	6.3	4.9	4	24	ND	10	7.7	11	6	11	3.9	13	1.5	29	31	56	37	34	31	40	*		
ESE-007	Total Xylenes	10.4	9.4	5.3	4.9	4	20.7	ND	7.6	10	5.6	10	3.9	14	4.5	31	30	61	44	39	34	44	*			
ESE-007	Acenaphthene	ND	ND	ND	ND	ND	ND	0.14	ND	ND	ND(J)	ND	260													
ESE-007	Acenaphthylene	ND	1.5	ND	ND	ND	ND	1.2	1.8	ND	ND	1.3(J)	ND	ND	ND	ND	1.5	ND	ND	130						
ESE-007	Anthracene	ND	1,310																							
ESE-007	Fluorene	ND	323																							
ESE-007	Naphthalene	2.6	2.2	3.8	2.3	1.5	4.2	3.5	5.2	1.9	2.3	2.3	ND	ND	1.6	1.6	ND	4.5	10	12	6.6	3.7	7.5	18	*	
ESE-007	Phenanthrene	ND	130																							
ESE-007	1-Methylnaphthalene	ND	ND	ND	0.58	ND	0.93	2.5	ND	ND	ND	1.9	*													
ESE-007	2-Methylnaphthalene	ND	ND	ND	0.54	ND	1.4	*																		
Total Potentially Carcinogenic PAHs																										
ESE-007	Carcinogenic PAHs	ND	0.003																							
ESE-007	Phenol	680	390	52	28	33	650	1000	290	40	330	130	490	230	270	58	1400	3400	1500	2000	1400	390	2700	2,630		
ESE-007	2,4-Dimethylphenol	ND	80	62	40	41	280	210	ND	35	99	64	95	56	140	36	330	600	520	680	410	230	500	*		
ESE-007	2-Methylphenol	NS	15	61	36	67	NS	*																		
ESE-007	3,4+ Methylphenol	NS	79	320	170	360	NS	*																		
ESE-007	Arsenic	ND	50																							
ESE-007	Chromium	22	190	1900	1900	87	490	510	240	63	37	24	11	11	110	150	230	ND	ND	*100						

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

ND = Not detected above the MDL.

NS = Not sampled for indicated compound.

* = 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.

** = Free-phase product was observed in the groundwater sample collected at ITW-14 during the September 2007 sampling event.

PAH = Included as Total Potentially Carcinogenic PAHs.

Bolded values meet or exceed indicated ROD cleanup goals.