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November 30, 2011

Mr. David Szymanski
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7011

Subject: Groundwater and Surface Water Monitoring Results
September 2011
Mineral Springs Road MGP Site

Dear Mr. Szymanski:

This report provides the results of a groundwater and surface water sampling event completed by AECOM Environment (AECOM) on September 12 and 13, 2011, at the Mineral Springs Road former manufactured gas plant (MGP) site in West Seneca (Buffalo), New York. The sampling event was initially completed August 17 and 18, 2011; however, due to a laboratory error the samples were not analyzed within holding time and the sampling event was redone.

The work at the Mineral Springs site is being conducted under a New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Agreement (number B9-0538-98-08) as described in the Remedial Design, dated February 10, 1999, and the Final Engineering Report, Volume II – Operations and Maintenance (O&M) Plan, dated May 2002.

Summary

A total of 13 groundwater samples and two surface water samples were collected and analyzed this period as specified in the O&M Plan. Sampling locations are shown on the attached figure. The collected samples were analyzed by TestAmerica Laboratories, Inc. (TestAmerica) of Pittsburgh, Pennsylvania (New York State Department of Health [NYSDOH] Environmental Laboratory Approval Program [ELAP] ID 11182), except for free cyanide analyses which were performed by TestAmerica of Shelton, Connecticut (ELAP ID 10602). Table 1, which is taken from the O&M Plan, summarizes the sampling and analytical requirements for the site. Analytical results are summarized in Table 2.

Consistent with the O&M Plan, six onsite and one upgradient monitoring wells were sampled for benzene, ethylbenzene, toluene, and xylene (BTEX) and polycyclic aromatic hydrocarbon (PAH) compounds during this event. Concentrations of BTEX and/or PAH compounds exceeded NYSDEC standard or guidance values in four of the onsite groundwater samples.

Seven onsite and two downgradient offsite monitoring wells were sampled for total and free cyanide analyses only. Total cyanide concentrations exceeded the NYSDEC Groundwater Standard of 200 micrograms per liter (µg/L) in all nine groundwater samples analyzed. Free cyanide was detected in two

of the nine groundwater samples at concentrations of 4 J µg/L and 7 J µg/L. There is no NYSDEC Groundwater Standard for free cyanide.

Two onsite surface water samples were collected for BTEX, PAH, and total and free cyanide analyses. BTEX compounds were detected in one surface water sample in concentrations below the NYSDEC Class D surface water standards. PAH compounds were detected in one surface water sample below the NYSDEC Class D surface water standards. Total cyanide was detected in both surface water samples at a maximum concentration of 93 B µg/L, below the NYSDEC Class D surface water standard of 9,000 µg/L. Free cyanide was detected in one sample at a concentration of 11 µg/L, below the NYSDEC Class D surface water standard of 22 µg/L.

A total of 14 depth-to-water measurements were taken (including one surface water measurement and 13 groundwater measurements). The groundwater measurement from monitoring well MW-17 was inadvertently not collected during this round of measurements. Table 2 summarizes groundwater elevation data and Figure 1 shows groundwater elevation contours for this sampling event.

On August 18, 2011, AECOM also attempted to pump non-aqueous phase liquid (NAPL) from the dense non-aqueous phase liquid (DNAPL) recovery test well with minimal results.

Groundwater elevations

Depth-to-water measurements were collected at 13 monitoring wells and converted to elevations using reference point elevation data. The data have been used to construct the groundwater contours shown in the attached figure. A review of similar information from recent years shows that the groundwater flow direction during this event remained similar to previous sampling events. Groundwater flows onto the site from the south and east, and continues across the site in a generally west-northwesterly direction.

Sampling and analysis

Thirteen monitoring wells were purged and sampled by an AECOM sampling team this event; sampling locations are shown on the attached figure.

TestAmerica of Pittsburgh, PA, performed the analyses of the samples for BTEX, PAH, and total cyanide. TestAmerica of Shelton, Connecticut performed the free cyanide analyses. TestAmerica is currently certified to perform the requested analyses under the NYSDOH Environmental Laboratory Approval Program. The samples were analyzed using the following methods:

BTEX	Method SW846 8260B
PAHs	Method SW846 8270C
Cyanide (total)	Method SW846 9012A
Cyanide (free)	Method ASTM D4282-02

Groundwater and surface water sampling and analyses were conducted in accordance with AECOM's Standard Operating Procedures as provided in the project Quality Assurance Plan (QAP) of June 11, 1999. Cyanide samples were protected from light during collection to prevent the dissociation of metal-cyanide compounds, which would artificially elevate free cyanide results. The cyanide samples were also treated with lead carbonate and field filtered to remove potential sulfide interferences.

Analytical results and conclusions

Laboratory results are summarized in Table 2. Laboratory reports and chain-of-custody forms are provided as an attachment. Sample locations, sampling objectives, and a discussion of the analytical results for each of the specific areas of interest at the site are provided in the following sections.

The following discussion of results and data summarized in Table 2 reflect AECOM's review of the associated quality assurance/ quality control data (blanks, duplicates, etc.) including any changes to the laboratory-reported data qualifiers, as noted in the QA/QC section of this report.

Upgradient site perimeter

Monitoring well (MW) MW-17 is located in the southeast corner of the site to monitor upgradient groundwater quality. The groundwater sample collected from MW-17 was analyzed for BTEX, PAH, and total and free cyanide. No BTEX compounds were detected. Ten PAH compounds were detected at concentrations ranging from 0.73 to 4.7 µg/L. The NYSDEC Groundwater Guidance Value was exceeded for benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene. Total cyanide was detected at a concentration of 230 µg/L, above the NYSDEC Groundwater Standard value of 200 µg/L. Free cyanide was not detected. These cyanide results are consistent with historic data from this well.

Downgradient site perimeter

Monitoring wells MW-20 and MW-21 are located downgradient of the western boundary of the site on Calais Street, and wells MW-13, MW-14, MW-22, and MW-23 are located just inside the northern property boundary near Mineral Springs Road. These six wells monitor groundwater quality downgradient of the site. Groundwater samples collected from these six wells were analyzed for total and free cyanide.

All six wells had total cyanide concentrations above the NYSDEC Groundwater Standard of 200 µg/L. Detected concentrations ranged from 360 µg/L at MW-23 to 860 µg/L at MW-22. One of the six wells (MW-23) had a free cyanide concentration of 4.0 J µg/L. Free cyanide was not detected in the remaining five wells. These analytical results are consistent with the range of concentrations measured in past years.

On-site purifier residuals impacted areas

Monitoring wells MW-12 and MW-16 monitor groundwater quality at locations of known subsurface deposits of purifier box residuals. These deposits were remediated by capping. Groundwater samples from these two wells were analyzed for total and free cyanide.

Both of the wells had a total cyanide groundwater concentration above the NYSDEC Groundwater Standard of 200 µg/L. Total cyanide concentrations were reported as 720 µg/L at MW-12 and 700 µg/L at MW-16. Free cyanide was detected in MW-16 at 7.0 J µg/L.

These results were compared with historic data from these two wells. The comparison indicates that the most recent analytical results are consistent with past results.

On-site hydrocarbon NAPL impacted areas

Monitoring wells MW-07, MW-10, MW-11A, and MW-19 monitor on-site groundwater quality downgradient of subsurface soils impacted with hydrocarbon NAPL. Samples from these wells were analyzed for BTEX and PAH compounds.

BTEX compounds were detected above NYSDEC Groundwater Standards in MW-7, MW-11A, and MW-19. BTEX compounds were not detected at MW-10. Concentrations of BTEX compounds in MW-7, MW-10, MW-11A, and MW-19 were consistent with historical analytical data.

PAH compounds were detected above NYSDEC Groundwater Standards in MW-07 and MW-19. PAH compounds were detected in MW-11A at concentrations below NYSDEC Groundwater Standards. Concentrations measured were generally consistent with analytical results obtained in past years.

Surface water

Two surface water samples, SW-01 and SW-02, were collected from the NYSDEC Class D Stream running along the south side of the site. These surface water sampling locations monitor the effectiveness of the Eastern Drainage Ditch Cap and also monitor the concentrations of constituents of concern (COC) in surface water downstream of the Mineral Springs site. The collected samples were analyzed for BTEX, PAH compounds, and total and free cyanide.

BTEX compounds were detected in sample SW-01 at low concentrations ranging from 0.15 to 0.60 J µg/L, which were all below the NYSDEC Class D Stream Standards. No BTEX compounds were detected in sample SW-02.

No PAH compounds were detected in sample SW-01. Three PAH compounds (flouranthene, pyrene, and benzo(b)fluoranthene) were detected in sample SW-02 at low concentrations ranging from 0.92 J to 1.7 J µg/L, which were all below the NYSDEC Class D Stream Standards.

Total cyanide was detected in SW-01 at a concentration of 11 J µg/L and in SW-02 at a concentration of 93 µg/L, below the NYSDEC Class D Stream Standard of 9,000 µg/L.

Free cyanide was detected in SW-02 at a concentration of 11 µg/L, below the NYSDEC Class D Stream Standard of 22 µg/L. Sample SW-01 was non-detect for free cyanide.

Quality Assurance / Quality Control (QA/QC) samples

Quality assurance/quality control samples were collected during the sampling event to meet the requirements of the project QAP.

An equipment blank was prepared using analyte free blank water supplied by the analytical laboratory. All downhole tubing used to collect groundwater samples is dedicated to, and stored within, each well. Therefore, the equipment blank was collected by running the blank water through the silicone and polyethylene pump tubing at the peristaltic pump head. Toluene was detected in the equipment blank

associated with the monitoring well samples at 0.18 J µg/L; all other compounds were non-detect. Toluene was not detected in the laboratory method blank or in the trip blank. Toluene was also detected in one monitoring well sample (MW-07) at a concentrations of 37 µg/L. AECOM discussed the blank results with the laboratory, which reviewed the analytical documentation. No unusual circumstances were noted and toluene was not detected in the laboratory quality assurance samples. After accounting for the 25X dilution factor, the toluene concentration in the field sample was more than 5X the concentration in the equipment blank. Therefore, consistent with USEPA Region 2 data validation standard operating procedures (SOPs), no qualification of the sample result is required. We also note that the sample was significantly less than the groundwater and surface water standards, for this reason, the equipment blank results do not indicate a significant issue with the usability of the groundwater sample data.

A trip blank sample was prepared by the laboratory and was stored in the sample cooler throughout the sampling event and during transportation back to the laboratory. The trip blank was analyzed for BTEX compounds. No BTEX compounds were detected in the trip blank.

Duplicate samples were collected from MW-23 and submitted for BTEX, PAH, and total and free cyanide analyses. All duplicate sample results were within acceptable ranges as defined by the QAP.

Total cyanide was detected at 6.2 J µg/L in the laboratory method blank at an estimated concentration greater than the method detection limit but less than the laboratory reporting (quantitation) limit; therefore, the laboratory correctly flagged all associated detections with a “B” (blank contamination) qualifier. The AECOM QA officer reviewed the associated sample data relative to the reported blank value. After taking into account the sample dilution factors, the reported cyanide detections for groundwater were more than 10X the associated blank concentration, and therefore, in accordance with USEPA Region 2 data validation SOPs, the data do not require qualification, and the “B” qualifier is not applied to the tabulated groundwater data (see Table 2). The reported value in one surface water sample (11 B µg/L in SW-01) is greater than the blank value and greater than the quantitation limit, but less than 10X the blank value. Therefore, in accordance with USEPA Region 2 SOPs, this value is qualified as ‘estimated’ (i.e., a “J” qualifier has been applied on the tabulated data, and the “B” qualifier has been removed).

Sample bottles were provided by TestAmerica Laboratories of Pittsburgh, Pennsylvania. Some sample bottles contained preservatives to stabilize the sample, depending on the analysis being performed. These preservatives raise or lower the pH. All samples were received at laboratory within the acceptable pH range.

DNAPL recovery test well (RTW-1)

On August 18, 2011, the Recovery System at RTW-1 was operated to assess whether DNAPL had accumulated since the August 2010 sampling event. Approximately two liters of water were pumped out. The water contained only trace amounts of NAPL blebs, visually estimated to be less than 1% of total volume.

If you have any questions or comments, please do not hesitate to call me at (607) 277-5716.

Sincerely yours,

Tamara Raby
Geologist
Project Manager

Thomas P. Clark, P.E
Project Engineer

Encl: Groundwater Contours (Figure 1)
Water Sampling Summary (Table 1)
Laboratory Results Summary (Table 2)
Laboratory Reports

cc: C. Burke – NFG
T. Alexander – NFG
S. Messier – NYSDOH
R. Kennedy – Hogdson Russ LLP
T. Clark, AECOM

TABLES

Table 1
Water Sampling Summary Table
Mineral Springs Road MGP Site, September 2011

Location	Cyanide, Total USEPA SW846 9012A	Cyanide, Free ASTM D4282-02	BTEX USEPA SW846 8260B	PAHs USEPA SW846 8270C	Water Elevation	Benchmark Elevation (top of PVC casing)
Upgradient Site Perimeter						
MW-17	x	x	x	x	x	587.28
Downgradient Site Perimeter						
MW-13	x	x	annually	annually	x	591.85
MW-14	x	x			x	589.81
MW-15					x	590.93
MW-20	x	x			x	587.30
MW-21	x	x			x	587.88
MW-22	x	x			x	592.50
MW-23	x	x	annually	annually	x	589.28
Onsite Purifier Residuals Impacted Areas						
MW-12	x	x			x	591.40
MW-16	x	x			x	588.99
Onsite Hydrocarbon Impacted Areas						
MW-07			x	x	x	587.26
MW-10			x	x	x	587.61
MW-11			x	x	x	590.03
MW-19			x	x	x	589.83
Onsite Surface Water						
SW-01	x	x	x	x	x	top of headwall = 587.0
SW-02	x	x	x	x		
QA/QC Samples (frequency)						
Trip Blank			x			(one per shipment)
Field Duplicate	x	x	x	x		(one per event)
Equipment Blank	x	x	x	x		(one per event)
DNAPL Recovery						
RTW-1						(purge well of accumulated DNAPL)
Total	13	13	10 or 12	9 or 11	15	
Container, Preservative	500 ml plastic, NaOH	1 L plastic amber, NaOH	40 mL VOA vial, HCl (x2)	1 L glass amber, NP (x2)		

Table 2
Groundwater and Surface Water Monitoring Results
Mineral Springs Road MGP Site

September 2011

PARAMETER	GROUNDWATER															SURFACE WATER			Quality Assurance / Quality Control		
Sample ID :	*Groundwater*	MW-07	MW-10	MW-11A	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-19	MW-20	MW-21	MW-22	MW-23	*Class D Stream*	SW-01	SW-02	TB	EB	MW-23 Dup
Sample Date :	*Standard* (1)	09/12/11	09/12/11	09/12/11	09/12/11	09/13/11	09/13/11	---	09/13/11	09/12/11	09/12/11	09/12/11	09/12/11	09/12/11	09/12/11	*Standard* (1)	09/13/11	09/12/11	09/12/11	09/12/11	09/12/11
BTEX (µg/L)																					
Benzene	**1**	600	nd	170	---	0.72 J	---	---	---	nd	4200	---	---	---	nd	**10**	0.15 J	nd	nd	nd	nd
Toluene	**5**	37	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	**6000**	0.22 J	nd	nd	0.18 J	nd
Ethylbenzene	**5**	800	nd	63	---	nd	---	---	---	nd	170 J	---	---	---	nd	**150** *	0.60 J	nd	nd	nd	nd
Xylene (sum of isomers)	**5 (each)**	510	nd	25 J	---	nd	---	---	---	nd	nd	---	---	---	nd	**590** *	0.54 J	nd	nd	nd	nd
BTEX total	---	1947	nd	258	---	0.72	---	---	---	nd	4370	---	---	---	nd	---	1.51	nd	nd	nd	nd
PAHs (µg/L)																					
Naphthalene	**10** *	1500	nd	4.0	---	nd	---	---	---	nd	2700	---	---	---	nd	**110** *	nd	nd	---	nd	nd
Acenaphthylene	**NL** *	nd	nd	2.8	---	nd	---	---	---	nd	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
Acenaphthene	**20** *	49	nd	4.6	---	nd	---	---	---	nd	nd	---	---	---	nd	**48** *	nd	nd	---	nd	nd
Fluorene	**50** *	9.6	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	**4.8** *	nd	nd	---	nd	nd
Phenanthrene	**50** *	9.5	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	**45** *	nd	nd	---	nd	nd
Anthracene	**50** *	0.98 J	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	**35** *	nd	nd	---	nd	nd
Fluoranthene	**50** *	nd	nd	0.42 J	---	nd	---	---	---	0.73 J	nd	---	---	---	nd	**NL**	nd	1.2 J	---	nd	nd
Pyrene	**50** *	nd	nd	0.56 J	---	nd	---	---	---	0.75 J	nd	---	---	---	nd	**42** *	nd	0.92 J	---	nd	nd
Benzo(a)anthracene	**0.002** *	nd	nd	nd	---	nd	---	---	---	1.3 J	nd	---	---	---	nd	**0.23** *	nd	nd	---	nd	nd
Chrysene	**0.002** *	nd	nd	nd	---	nd	---	---	---	1.3 J	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
Benzo(b)fluoranthene	**0.002** *	nd	nd	nd	---	nd	---	---	---	2.0 J	nd	---	---	---	nd	**NL**	nd	1.7 J	---	nd	nd
Benzo(k)fluoranthene	**0.002** *	nd	nd	nd	---	nd	---	---	---	1.5 J	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
Benzo(a)pyrene	**NL**	nd	nd	nd	---	nd	---	---	---	1.8 J	nd	---	---	---	nd	**0.0012** *	nd	nd	---	nd	nd
Indeno(1,2,3-cd)pyrene	**0.002** *	nd	nd	nd	---	nd	---	---	---	4.4	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
Dibenz(a,h)anthracene	**NL**	nd	nd	nd	---	nd	---	---	---	4.7	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
Benzo(g,h,i)perylene	**NL**	nd	nd	nd	---	nd	---	---	---	1.6 J	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
2-Methylnaphthalene	**NL**	nd	nd	nd	---	nd	---	---	---	nd	nd	---	---	---	nd	**NL**	nd	nd	---	nd	nd
PAHs total	---	1569.08	nd	12.38	---	nd	---	---	---	20.08	2700	---	---	---	nd	---	nd	3.82	---	nd	nd
CYANIDE (µg/L)																					
Cyanide, total	**200**	---	---	---	720	620	670	---	700	230	---	560	420	860	360	**9000**	11 J	93	---	nd	340
Cyanide, free	**NL**	---	---	---	nd	nd	nd	---	7.0 J	nd	---	nd	nd	nd	4.0 J	**22**	nd	11	---	nd	7.0 J
Water Elevation (feet)	**NL**	579.76	579.53	580.22	579.21	577.73	577.05	578.76	580.04	NM	579.54	576.41	575.29	578.99	577.09	**NL**	580.19	---	---	---	---

Notes:

NL Not listed

nd Not detected above method detection limit

--- Not analyzed

J Indicates laboratory estimated value

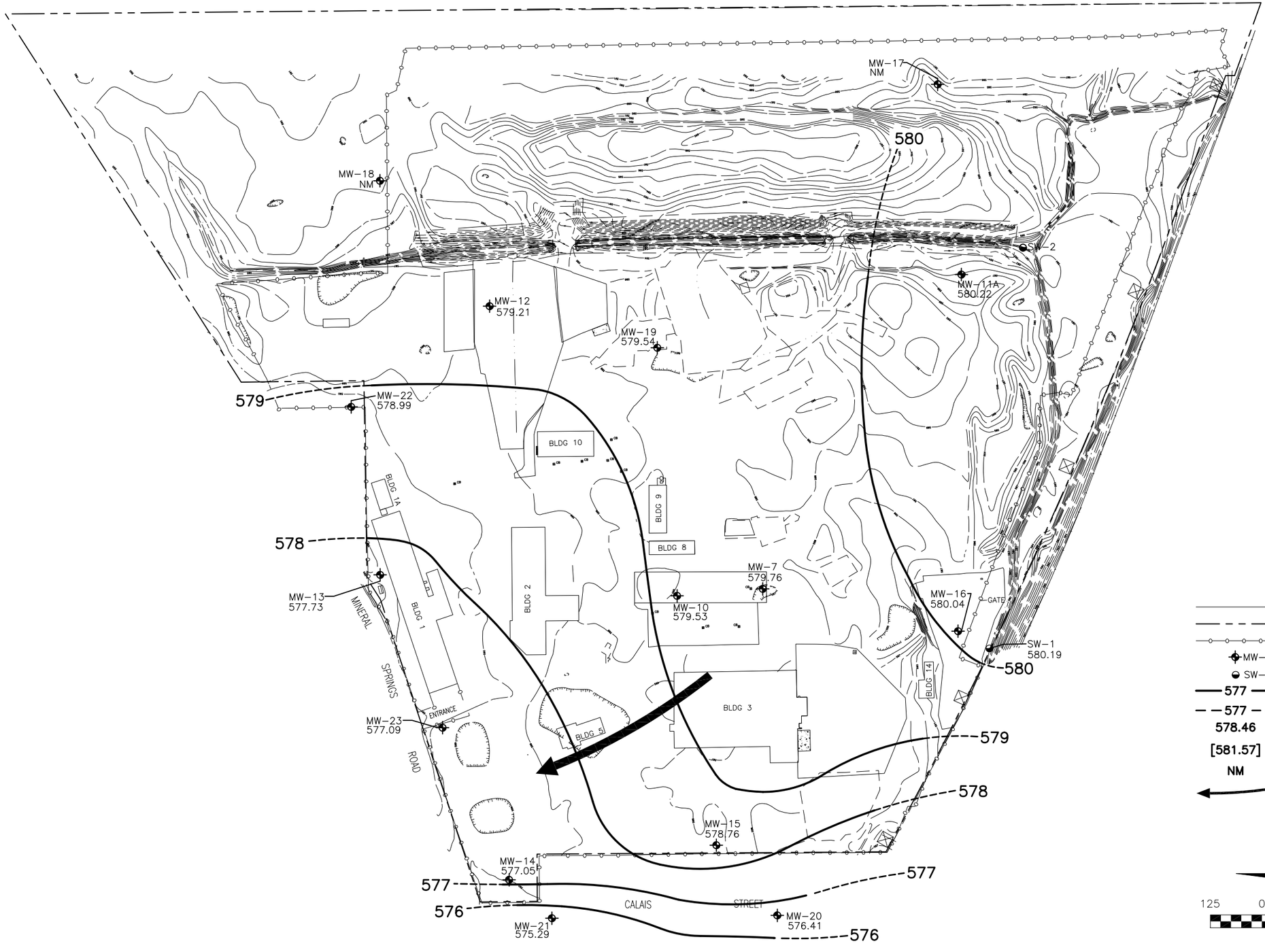
B The compound was detected in the associated method blank.

(1) NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1)

* Groundwater or Surface Water Guidance Value (no Standard value listed)

Concentrations exceeding NYSDEC regulatory standard or guidance value

FIGURE



LEGEND

———	CURRENT SITE FEATURE
— — —	PROPERTY BOUNDARY
—o—o—o—	FENCELINE
⌖ MW-19	MONITORING WELLS
◒ SW-01	SURFACE WATER SAMPLE LOCATION
577	GROUNDWATER ELEVATION CONTOUR (ft. MSL)
577	(DASHED WHERE INFERRED)
578.46	GROUNDWATER ELEVATION (ft. MSL)
[581.57]	GROUNDWATER ELEVATION (ft. MSL) NOT USED TO CONTOUR
NM	NOT MEASURED
←	GENERALIZED DIRECTION GROUNDWATER FLOW

CONTOUR INTERVAL: 1'

125 0 250

1"=250'

AECOM

NATIONAL FUEL GAS
MINERAL SPRINGS ROAD MGP SITE
60137322-300

GROUNDWATER CONTOURS SEPTEMBER 2011

DATE: 10/2011 | DRWN: BcV/C-MA | **FIGURE 1**

File: J:\Cadfiles\CADD\60137322\GW9-2011.dwg Layout: 09-11GW User: vershonb Plotted: Oct 05, 2011 - 1:23pm Xref's:

LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
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Tel: (412)963-7058

TestAmerica Job ID: 180-3868-1
Client Project/Site: AECOM, Mineral Springs

For:
AECOM, Inc.
1001 West Seneca Street
Suite 204
Ithaca, New York 14850

Attn: Tamara Raby

Authorized for release by:
10/24/2011 05:33:44 PM

Whitney Ritari
Project Manager I
whitney.ritari@testamericainc.com

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

Table of Contents

Job ID: 180-3868-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: AECOM, Inc.

Project: AECOM, Mineral Springs

Report Number: 180-3868-1

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

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 09/14/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Due to the concentration of target compounds detected, samples MW-7 091211 (180-3868-2)[25X], MW-11A 091211 (180-3868-10)[10X] and MW-19 091211 (180-3868-15)[250X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Due to the concentration of target compounds detected, samples MW-7 091211 (180-3868-2)[10X] and MW-19 091211 (180-3868-15) [20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

GENERAL CHEMISTRY

Samples MW-23 091211 (180-3868-3)[5X], MW-73 091211 (180-3868-4)[5X], MW-20 091211 (180-3868-5)[5X], MW-21 091211 (180-3868-6)[5X], MW-13 091211 (180-3868-7)[5X], MW-22 091211 (180-3868-8)[5X], MW-12 091211 (180-3868-11)[5X], MW-14 091311 (180-3868-12)[5X] and MW-16 091311 (180-3868-13)[5X] were analyzed at a dilution for total cyanide. The reporting limits have been adjusted accordingly.

Cyanide, Total was detected in method blank MB 220-54954/4-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	ACLASS	DoD ELAP		ADE-1422
TestAmerica Pittsburgh	Arkansas	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina	North Carolina DENR	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	USDA		P330-10-00139
TestAmerica Pittsburgh	USDA	USDA		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia	West Virginia DEP	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Connecticut	Connecticut	State Program	1	PH-0497
TestAmerica Connecticut	Massachusetts	State Program	1	M-CT023
TestAmerica Connecticut	New Jersey	NELAC	2	CT410
TestAmerica Connecticut	New York	NELAC	2	10602
TestAmerica Connecticut	NRC	NRC		06-30139-01
TestAmerica Connecticut	Rhode Island	State Program	1	LAO00226
TestAmerica Connecticut	USDA	USDA		P330-11-00082

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Summary

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-3868-1	EB 091211	Water	09/12/11 10:30	09/14/11 10:00
180-3868-2	MW-7 091211	Water	09/12/11 11:20	09/14/11 10:00
180-3868-3	MW-23 091211	Water	09/12/11 12:25	09/14/11 10:00
180-3868-4	MW-73 091211	Water	09/12/11 09:00	09/14/11 10:00
180-3868-5	MW-20 091211	Water	09/12/11 14:30	09/14/11 10:00
180-3868-6	MW-21 091211	Water	09/12/11 15:40	09/14/11 10:00
180-3868-7	MW-13 091211	Water	09/13/11 09:30	09/14/11 10:00
180-3868-8	MW-22 091211	Water	09/12/11 00:00	09/14/11 10:00
180-3868-9	MW-10 091211	Water	09/12/11 10:50	09/14/11 10:00
180-3868-10	MW-11A 091211	Water	09/12/11 12:05	09/14/11 10:00
180-3868-11	MW-12 091211	Water	09/12/11 13:35	09/14/11 10:00
180-3868-12	MW-14 091311	Water	09/13/11 10:20	09/14/11 10:00
180-3868-13	MW-16 091311	Water	09/13/11 09:20	09/14/11 10:00
180-3868-14	MW-17 091211	Water	09/12/11 15:00	09/14/11 10:00
180-3868-15	MW-19 091211	Water	09/12/11 12:55	09/14/11 10:00
180-3868-16	SW-02 091211	Water	09/12/11 00:00	09/14/11 10:00
180-3868-17	SW-01 091311	Water	09/13/11 09:15	09/14/11 10:00
180-3868-18	TRIP BLANK	Water	09/12/11 12:00	09/14/11 10:00

Method Summary

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
335.4	Cyanide, Total	MCAWW	TAL CT
D4282_02	Cyanide, Free	ASTM	TAL CT

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

TAL CT = TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484, TEL (203)929-8140

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: EB 091211

Date Collected: 09/12/11 10:30
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 15:28	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 15:28	1
Toluene	**0.18**	**J**	1.0	0.15	ug/L			09/19/11 15:28	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 15:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 128*		*09/19/11 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*09/19/11 15:28*	*1*
4-Bromofluorobenzene (Surr)	*76*		*70 - 118*		*09/19/11 15:28*	*1*
Toluene-d8 (Surr)	*88*		*71 - 118*		*09/19/11 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 17:17	1
Acenaphthylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1
Anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1
Benzo[a]anthracene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 17:17	1
Benzo[a]pyrene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 17:17	1
Benzo[b]fluoranthene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1
Benzo[g,h,i]perylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1
Benzo[k]fluoranthene	ND		1.9	0.53	ug/L		09/15/11 07:58	09/16/11 17:17	1
Chrysene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 17:17	1
Dibenz(a,h)anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1
Fluoranthene	ND		1.9	0.16	ug/L		09/15/11 07:58	09/16/11 17:17	1
Fluorene	ND		1.9	0.21	ug/L		09/15/11 07:58	09/16/11 17:17	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.19	ug/L		09/15/11 07:58	09/16/11 17:17	1
Naphthalene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 17:17	1
Phenanthrene	ND		1.9	0.41	ug/L		09/15/11 07:58	09/16/11 17:17	1
Pyrene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 17:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*37 - 104*	*09/15/11 07:58*	*09/16/11 17:17*	*1*
2-Fluorobiphenyl	*63*		*35 - 108*	*09/15/11 07:58*	*09/16/11 17:17*	*1*
Terphenyl-d14	*70*		*25 - 130*	*09/15/11 07:58*	*09/16/11 17:17*	*1*
2,4,6-Tribromophenol	*81*		*33 - 122*	*09/15/11 07:58*	*09/16/11 17:17*	*1*
2-Fluorophenol	*64*		*26 - 100*	*09/15/11 07:58*	*09/16/11 17:17*	*1*
Phenol-d5	*70*		*30 - 102*	*09/15/11 07:58*	*09/16/11 17:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	2.9	ug/L		09/20/11 09:55	09/21/11 11:35	1
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 16:55	1

Client Sample ID: MW-7 091211

Date Collected: 09/12/11 11:20
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**600**		25	2.6	ug/L			09/20/11 15:41	25

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Client Sample ID: MW-7 091211
Date Collected: 09/12/11 11:20
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	800		25	5.7	ug/L			09/20/11 15:41	25
Toluene	37		25	3.8	ug/L			09/20/11 15:41	25
Xylenes, Total	510		75	12	ug/L			09/20/11 15:41	25

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*70 - 128*		*09/20/11 15:41*	*25*
1,2-Dichloroethane-d4 (Surr)	*85*		*64 - 135*		*09/20/11 15:41*	*25*
4-Bromofluorobenzene (Surr)	*78*		*70 - 118*		*09/20/11 15:41*	*25*
Toluene-d8 (Surr)	*89*		*71 - 118*		*09/20/11 15:41*	*25*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	49		2.1	0.15	ug/L		09/15/11 07:58	09/16/11 17:41	1
Acenaphthylene	ND		2.1	0.16	ug/L		09/15/11 07:58	09/16/11 17:41	1
Anthracene	0.98	J	2.1	0.16	ug/L		09/15/11 07:58	09/16/11 17:41	1
Benzo[a]anthracene	ND		2.1	0.16	ug/L		09/15/11 07:58	09/16/11 17:41	1
Benzo[a]pyrene	ND		2.1	0.14	ug/L		09/15/11 07:58	09/16/11 17:41	1
Benzo[b]fluoranthene	ND		2.1	0.17	ug/L		09/15/11 07:58	09/16/11 17:41	1
Benzo[g,h,i]perylene	ND		2.1	0.16	ug/L		09/15/11 07:58	09/16/11 17:41	1
Benzo[k]fluoranthene	ND		2.1	0.58	ug/L		09/15/11 07:58	09/16/11 17:41	1
Chrysene	ND		2.1	0.15	ug/L		09/15/11 07:58	09/16/11 17:41	1
Dibenz(a,h)anthracene	ND		2.1	0.16	ug/L		09/15/11 07:58	09/16/11 17:41	1
Fluoranthene	ND		2.1	0.17	ug/L		09/15/11 07:58	09/16/11 17:41	1
Fluorene	9.6		2.1	0.23	ug/L		09/15/11 07:58	09/16/11 17:41	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.21	ug/L		09/15/11 07:58	09/16/11 17:41	1
Naphthalene	1000	E	2.1	0.15	ug/L		09/15/11 07:58	09/16/11 17:41	1
Phenanthrene	9.5		2.1	0.45	ug/L		09/15/11 07:58	09/16/11 17:41	1
Pyrene	ND		2.1	0.17	ug/L		09/15/11 07:58	09/16/11 17:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*37 - 104*	*09/15/11 07:58*	*09/16/11 17:41*	*1*
2-Fluorobiphenyl	*57*		*35 - 108*	*09/15/11 07:58*	*09/16/11 17:41*	*1*
Terphenyl-d14	*54*		*25 - 130*	*09/15/11 07:58*	*09/16/11 17:41*	*1*
2,4,6-Tribromophenol	*78*		*33 - 122*	*09/15/11 07:58*	*09/16/11 17:41*	*1*
2-Fluorophenol	*62*		*26 - 100*	*09/15/11 07:58*	*09/16/11 17:41*	*1*
Phenol-d5	*67*		*30 - 102*	*09/15/11 07:58*	*09/16/11 17:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	65		21	1.5	ug/L		09/15/11 07:58	09/16/11 21:57	10
Acenaphthylene	ND		21	1.6	ug/L		09/15/11 07:58	09/16/11 21:57	10
Anthracene	ND		21	1.6	ug/L		09/15/11 07:58	09/16/11 21:57	10
Benzo[a]anthracene	ND		21	1.6	ug/L		09/15/11 07:58	09/16/11 21:57	10
Benzo[a]pyrene	ND		21	1.4	ug/L		09/15/11 07:58	09/16/11 21:57	10
Benzo[b]fluoranthene	ND		21	1.7	ug/L		09/15/11 07:58	09/16/11 21:57	10
Benzo[g,h,i]perylene	ND		21	1.6	ug/L		09/15/11 07:58	09/16/11 21:57	10
Benzo[k]fluoranthene	ND		21	5.8	ug/L		09/15/11 07:58	09/16/11 21:57	10
Chrysene	ND		21	1.5	ug/L		09/15/11 07:58	09/16/11 21:57	10
Dibenz(a,h)anthracene	ND		21	1.6	ug/L		09/15/11 07:58	09/16/11 21:57	10
Fluoranthene	ND		21	1.7	ug/L		09/15/11 07:58	09/16/11 21:57	10
Fluorene	12	J	21	2.3	ug/L		09/15/11 07:58	09/16/11 21:57	10

Client Sample ID: MW-7 091211

Date Collected: 09/12/11 11:20
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		21	2.1	ug/L		09/15/11 07:58	09/16/11 21:57	10
Naphthalene	1500		21	1.5	ug/L		09/15/11 07:58	09/16/11 21:57	10
Phenanthrene	11	J	21	4.5	ug/L		09/15/11 07:58	09/16/11 21:57	10
Pyrene	ND		21	1.7	ug/L		09/15/11 07:58	09/16/11 21:57	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*37 - 104*	*09/15/11 07:58*	*09/16/11 21:57*	*10*
2-Fluorobiphenyl	*53*		*35 - 108*	*09/15/11 07:58*	*09/16/11 21:57*	*10*
Terphenyl-d14	*52*		*25 - 130*	*09/15/11 07:58*	*09/16/11 21:57*	*10*
2,4,6-Tribromophenol	*76*		*33 - 122*	*09/15/11 07:58*	*09/16/11 21:57*	*10*
2-Fluorophenol	*61*		*26 - 100*	*09/15/11 07:58*	*09/16/11 21:57*	*10*
Phenol-d5	*62*		*30 - 102*	*09/15/11 07:58*	*09/16/11 21:57*	*10*

Client Sample ID: MW-23 091211

Date Collected: 09/12/11 12:25
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 16:14	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 16:14	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 16:14	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 16:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*70 - 128*		*09/19/11 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*64 - 135*		*09/19/11 16:14*	*1*
4-Bromofluorobenzene (Surr)	*79*		*70 - 118*		*09/19/11 16:14*	*1*
Toluene-d8 (Surr)	*85*		*71 - 118*		*09/19/11 16:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 18:05	1
Acenaphthylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1
Anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1
Benzo[a]anthracene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 18:05	1
Benzo[a]pyrene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:05	1
Benzo[b]fluoranthene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1
Benzo[g,h,i]perylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1
Benzo[k]fluoranthene	ND		1.9	0.53	ug/L		09/15/11 07:58	09/16/11 18:05	1
Chrysene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:05	1
Dibenz(a,h)anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1
Fluoranthene	ND		1.9	0.16	ug/L		09/15/11 07:58	09/16/11 18:05	1
Fluorene	ND		1.9	0.21	ug/L		09/15/11 07:58	09/16/11 18:05	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.19	ug/L		09/15/11 07:58	09/16/11 18:05	1
Naphthalene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:05	1
Phenanthrene	ND		1.9	0.41	ug/L		09/15/11 07:58	09/16/11 18:05	1
Pyrene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:05	1

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Client Sample ID: MW-23 091211

Lab Sample ID: 180-3868-3

Date Collected: 09/12/11 12:25

Matrix: Water

Date Received: 09/14/11 10:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		37 - 104	09/15/11 07:58	09/16/11 18:05	1
2-Fluorobiphenyl	57		35 - 108	09/15/11 07:58	09/16/11 18:05	1
Terphenyl-d14	59		25 - 130	09/15/11 07:58	09/16/11 18:05	1
2,4,6-Tribromophenol	72		33 - 122	09/15/11 07:58	09/16/11 18:05	1
2-Fluorophenol	58		26 - 100	09/15/11 07:58	09/16/11 18:05	1
Phenol-d5	59		30 - 102	09/15/11 07:58	09/16/11 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	360	B	50	15	ug/L		09/20/11 09:55	09/21/11 12:03	5
Cyanide, Free	4.0	J	10	3.4	ug/L		09/19/11 11:00	09/19/11 16:57	1

Client Sample ID: MW-73 091211

Lab Sample ID: 180-3868-4

Date Collected: 09/12/11 09:00

Matrix: Water

Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 16:38	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 16:38	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 16:38	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 16:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	86		70 - 128		09/19/11 16:38	1
1,2-Dichloroethane-d4 (Surr)	83		64 - 135		09/19/11 16:38	1
4-Bromofluorobenzene (Surr)	76		70 - 118		09/19/11 16:38	1
Toluene-d8 (Surr)	92		71 - 118		09/19/11 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 18:28	1
Acenaphthylene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1
Anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1
Benzo[a]anthracene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 18:28	1
Benzo[a]pyrene	ND		2.0	0.13	ug/L		09/15/11 07:58	09/16/11 18:28	1
Benzo[b]fluoranthene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1
Benzo[g,h,i]perylene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1
Benzo[k]fluoranthene	ND		2.0	0.54	ug/L		09/15/11 07:58	09/16/11 18:28	1
Chrysene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 18:28	1
Dibenz(a,h)anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1
Fluoranthene	ND		2.0	0.16	ug/L		09/15/11 07:58	09/16/11 18:28	1
Fluorene	ND		2.0	0.21	ug/L		09/15/11 07:58	09/16/11 18:28	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.20	ug/L		09/15/11 07:58	09/16/11 18:28	1
Naphthalene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 18:28	1
Phenanthrene	ND		2.0	0.42	ug/L		09/15/11 07:58	09/16/11 18:28	1
Pyrene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 18:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		37 - 104	09/15/11 07:58	09/16/11 18:28	1
2-Fluorobiphenyl	71		35 - 108	09/15/11 07:58	09/16/11 18:28	1

Client Sample ID: MW-73 091211

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

Lab Sample ID: 180-3868-4
Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*64*		*25 - 130*	*09/15/11 07:58*	*09/16/11 18:28*	*1*
2,4,6-Tribromophenol	*78*		*33 - 122*	*09/15/11 07:58*	*09/16/11 18:28*	*1*
2-Fluorophenol	*69*		*26 - 100*	*09/15/11 07:58*	*09/16/11 18:28*	*1*
Phenol-d5	*75*		*30 - 102*	*09/15/11 07:58*	*09/16/11 18:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**340**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:06	5
Cyanide, Free	**7.0**	**J**	10	3.4	ug/L		09/19/11 11:00	09/19/11 17:01	1

Client Sample ID: MW-20 091211

Date Collected: 09/12/11 14:30
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-5
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**560**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:07	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:03	1

Client Sample ID: MW-21 091211

Date Collected: 09/12/11 15:40
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-6
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**420**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:08	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:05	1

Client Sample ID: MW-13 091211

Date Collected: 09/13/11 09:30
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.72**	**J**	1.0	0.11	ug/L			09/19/11 17:02	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 17:02	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 17:02	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 17:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*81*		*70 - 128*		*09/19/11 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*64 - 135*		*09/19/11 17:02*	*1*
4-Bromofluorobenzene (Surr)	*71*		*70 - 118*		*09/19/11 17:02*	*1*
Toluene-d8 (Surr)	*87*		*71 - 118*		*09/19/11 17:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 18:52	1

Client Sample ID: MW-13 091211

Lab Sample ID: 180-3868-7

Date Collected: 09/13/11 09:30

Matrix: Water

Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1
Anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1
Benzo[a]anthracene	ND		1.9	0.14	ug/L		09/15/11 07:58	09/16/11 18:52	1
Benzo[a]pyrene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:52	1
Benzo[b]fluoranthene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1
Benzo[g,h,i]perylene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1
Benzo[k]fluoranthene	ND		1.9	0.53	ug/L		09/15/11 07:58	09/16/11 18:52	1
Chrysene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:52	1
Dibenz(a,h)anthracene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1
Fluoranthene	ND		1.9	0.16	ug/L		09/15/11 07:58	09/16/11 18:52	1
Fluorene	ND		1.9	0.21	ug/L		09/15/11 07:58	09/16/11 18:52	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.19	ug/L		09/15/11 07:58	09/16/11 18:52	1
Naphthalene	ND		1.9	0.13	ug/L		09/15/11 07:58	09/16/11 18:52	1
Phenanthrene	ND		1.9	0.41	ug/L		09/15/11 07:58	09/16/11 18:52	1
Pyrene	ND		1.9	0.15	ug/L		09/15/11 07:58	09/16/11 18:52	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*58*		*37 - 104*	*09/15/11 07:58*	*09/16/11 18:52*	*1*
2-Fluorobiphenyl	*56*		*35 - 108*	*09/15/11 07:58*	*09/16/11 18:52*	*1*
Terphenyl-d14	*55*		*25 - 130*	*09/15/11 07:58*	*09/16/11 18:52*	*1*
2,4,6-Tribromophenol	*68*		*33 - 122*	*09/15/11 07:58*	*09/16/11 18:52*	*1*
2-Fluorophenol	*57*		*26 - 100*	*09/15/11 07:58*	*09/16/11 18:52*	*1*
Phenol-d5	*57*		*30 - 102*	*09/15/11 07:58*	*09/16/11 18:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**620**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:09	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:06	1

Client Sample ID: MW-22 091211

Lab Sample ID: 180-3868-8

Date Collected: 09/12/11 00:00

Matrix: Water

Date Received: 09/14/11 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**860**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:10	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:08	1

Client Sample ID: MW-10 091211

Lab Sample ID: 180-3868-9

Date Collected: 09/12/11 10:50

Matrix: Water

Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 17:26	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 17:26	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 17:26	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 17:26	1

Client Sample ID: MW-10 091211

Date Collected: 09/12/11 10:50
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-9
Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	79		70 - 128		09/19/11 17:26	1
1,2-Dichloroethane-d4 (Surr)	75		64 - 135		09/19/11 17:26	1
4-Bromofluorobenzene (Surr)	71		70 - 118		09/19/11 17:26	1
Toluene-d8 (Surr)	88		71 - 118		09/19/11 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.3	0.17	ug/L		09/15/11 07:58	09/16/11 19:15	1
Acenaphthylene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1
Anthracene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1
Benzo[a]anthracene	ND		2.3	0.17	ug/L		09/15/11 07:58	09/16/11 19:15	1
Benzo[a]pyrene	ND		2.3	0.16	ug/L		09/15/11 07:58	09/16/11 19:15	1
Benzo[b]fluoranthene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1
Benzo[g,h,i]perylene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1
Benzo[k]fluoranthene	ND		2.3	0.64	ug/L		09/15/11 07:58	09/16/11 19:15	1
Chrysene	ND		2.3	0.16	ug/L		09/15/11 07:58	09/16/11 19:15	1
Dibenz(a,h)anthracene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1
Fluoranthene	ND		2.3	0.19	ug/L		09/15/11 07:58	09/16/11 19:15	1
Fluorene	ND		2.3	0.25	ug/L		09/15/11 07:58	09/16/11 19:15	1
Indeno[1,2,3-cd]pyrene	ND		2.3	0.23	ug/L		09/15/11 07:58	09/16/11 19:15	1
Naphthalene	ND		2.3	0.16	ug/L		09/15/11 07:58	09/16/11 19:15	1
Phenanthrene	ND		2.3	0.50	ug/L		09/15/11 07:58	09/16/11 19:15	1
Pyrene	ND		2.3	0.18	ug/L		09/15/11 07:58	09/16/11 19:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		37 - 104	09/15/11 07:58	09/16/11 19:15	1
2-Fluorobiphenyl	63		35 - 108	09/15/11 07:58	09/16/11 19:15	1
Terphenyl-d14	61		25 - 130	09/15/11 07:58	09/16/11 19:15	1
2,4,6-Tribromophenol	86		33 - 122	09/15/11 07:58	09/16/11 19:15	1
2-Fluorophenol	67		26 - 100	09/15/11 07:58	09/16/11 19:15	1
Phenol-d5	74		30 - 102	09/15/11 07:58	09/16/11 19:15	1

Client Sample ID: MW-11A 091211

Date Collected: 09/12/11 12:05
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**170**		10	1.1	ug/L			09/20/11 13:38	10
Ethylbenzene	**63**		10	2.3	ug/L			09/20/11 13:38	10
Toluene	ND		10	1.5	ug/L			09/20/11 13:38	10
Xylenes, Total	**25**	**J**	30	4.9	ug/L			09/20/11 13:38	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		70 - 128		09/20/11 13:38	10
1,2-Dichloroethane-d4 (Surr)	88		64 - 135		09/20/11 13:38	10
4-Bromofluorobenzene (Surr)	82		70 - 118		09/20/11 13:38	10
Toluene-d8 (Surr)	96		71 - 118		09/20/11 13:38	10

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Client Sample ID: MW-11A 091211

Lab Sample ID: 180-3868-10

Date Collected: 09/12/11 12:05
Matrix: Water
Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.6**		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 19:38	1
Acenaphthylene	**2.8**		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1
Anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1
Benzo[a]anthracene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 19:38	1
Benzo[a]pyrene	ND		2.0	0.13	ug/L		09/15/11 07:58	09/16/11 19:38	1
Benzo[b]fluoranthene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1
Benzo[g,h,i]perylene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1
Benzo[k]fluoranthene	ND		2.0	0.54	ug/L		09/15/11 07:58	09/16/11 19:38	1
Chrysene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 19:38	1
Dibenz(a,h)anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1
Fluoranthene	**0.42**	**J**	2.0	0.16	ug/L		09/15/11 07:58	09/16/11 19:38	1
Fluorene	ND		2.0	0.21	ug/L		09/15/11 07:58	09/16/11 19:38	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.20	ug/L		09/15/11 07:58	09/16/11 19:38	1
Naphthalene	**4.0**		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 19:38	1
Phenanthrene	ND		2.0	0.42	ug/L		09/15/11 07:58	09/16/11 19:38	1
Pyrene	**0.56**	**J**	2.0	0.15	ug/L		09/15/11 07:58	09/16/11 19:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*37 - 104*	*09/15/11 07:58*	*09/16/11 19:38*	*1*
2-Fluorobiphenyl	*57*		*35 - 108*	*09/15/11 07:58*	*09/16/11 19:38*	*1*
Terphenyl-d14	*50*		*25 - 130*	*09/15/11 07:58*	*09/16/11 19:38*	*1*
2,4,6-Tribromophenol	*75*		*33 - 122*	*09/15/11 07:58*	*09/16/11 19:38*	*1*
2-Fluorophenol	*63*		*26 - 100*	*09/15/11 07:58*	*09/16/11 19:38*	*1*
Phenol-d5	*67*		*30 - 102*	*09/15/11 07:58*	*09/16/11 19:38*	*1*

Client Sample ID: MW-12 091211

Lab Sample ID: 180-3868-11

Date Collected: 09/12/11 13:35
Matrix: Water
Date Received: 09/14/11 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**720**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:11	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:09	1

Client Sample ID: MW-14 091311

Lab Sample ID: 180-3868-12

Date Collected: 09/13/11 10:20
Matrix: Water
Date Received: 09/14/11 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**670**	**B**	50	15	ug/L		09/20/11 09:55	09/21/11 12:12	5
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:14	1

Client Sample ID: MW-16 091311

Lab Sample ID: 180-3868-13

Date Collected: 09/13/11 09:20

Matrix: Water

Date Received: 09/14/11 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	700	B	50	15	ug/L		09/20/11 09:55	09/21/11 12:13	5
Cyanide, Free	7.0	J	10	3.4	ug/L		09/19/11 11:00	09/19/11 17:16	1

Client Sample ID: MW-17 091211

Lab Sample ID: 180-3868-14

Date Collected: 09/12/11 15:00

Matrix: Water

Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 17:49	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 17:49	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 17:49	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 17:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*09/19/11 17:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*09/19/11 17:49*	*1*
4-Bromofluorobenzene (Surr)	*83*		*70 - 118*		*09/19/11 17:49*	*1*
Toluene-d8 (Surr)	*85*		*71 - 118*		*09/19/11 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:01	1
Acenaphthylene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:01	1
Anthracene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:01	1
Benzo[a]anthracene	1.3	J	2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:01	1
Benzo[a]pyrene	1.8	J	2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:01	1
Benzo[b]fluoranthene	2.0	J	2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:01	1
Benzo[g,h,i]perylene	1.6	J	2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:01	1
Benzo[k]fluoranthene	1.5	J	2.2	0.59	ug/L		09/15/11 07:58	09/16/11 20:01	1
Chrysene	1.3	J	2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:01	1
Dibenz(a,h)anthracene	4.7		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:01	1
Fluoranthene	0.73	J	2.2	0.18	ug/L		09/15/11 07:58	09/16/11 20:01	1
Fluorene	ND		2.2	0.23	ug/L		09/15/11 07:58	09/16/11 20:01	1
Indeno[1,2,3-cd]pyrene	4.4		2.2	0.22	ug/L		09/15/11 07:58	09/16/11 20:01	1
Naphthalene	ND		2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:01	1
Phenanthrene	ND		2.2	0.46	ug/L		09/15/11 07:58	09/16/11 20:01	1
Pyrene	0.75	J	2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*65*		*37 - 104*	*09/15/11 07:58*	*09/16/11 20:01*	*1*
2-Fluorobiphenyl	*62*		*35 - 108*	*09/15/11 07:58*	*09/16/11 20:01*	*1*
Terphenyl-d14	*53*		*25 - 130*	*09/15/11 07:58*	*09/16/11 20:01*	*1*
2,4,6-Tribromophenol	*72*		*33 - 122*	*09/15/11 07:58*	*09/16/11 20:01*	*1*
2-Fluorophenol	*62*		*26 - 100*	*09/15/11 07:58*	*09/16/11 20:01*	*1*
Phenol-d5	*67*		*30 - 102*	*09/15/11 07:58*	*09/16/11 20:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	230	B	10	2.9	ug/L		09/20/11 12:30	09/21/11 11:50	1

Client Sample ID: MW-17 091211

Lab Sample ID: 180-3868-14

Date Collected: 09/12/11 15:00

Matrix: Water

Date Received: 09/14/11 10:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:18	1

Client Sample ID: MW-19 091211

Lab Sample ID: 180-3868-15

Date Collected: 09/12/11 12:55

Matrix: Water

Date Received: 09/14/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4200**		250	26	ug/L			09/20/11 14:02	250
Ethylbenzene	**170**	**J**	250	57	ug/L			09/20/11 14:02	250
Toluene	ND		250	38	ug/L			09/20/11 14:02	250
Xylenes, Total	ND		750	120	ug/L			09/20/11 14:02	250

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*88*		*70 - 128*		*09/20/11 14:02*	*250*
1,2-Dichloroethane-d4 (Surr)	*84*		*64 - 135*		*09/20/11 14:02*	*250*
4-Bromofluorobenzene (Surr)	*74*		*70 - 118*		*09/20/11 14:02*	*250*
Toluene-d8 (Surr)	*91*		*71 - 118*		*09/20/11 14:02*	*250*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:24	1
Acenaphthylene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:24	1
Anthracene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:24	1
Benzo[a]anthracene	ND		2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:24	1
Benzo[a]pyrene	ND		2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:24	1
Benzo[b]fluoranthene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:24	1
Benzo[g,h,i]perylene	ND		2.2	0.16	ug/L		09/15/11 07:58	09/16/11 20:24	1
Benzo[k]fluoranthene	ND		2.2	0.59	ug/L		09/15/11 07:58	09/16/11 20:24	1
Chrysene	ND		2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:24	1
Dibenz(a,h)anthracene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:24	1
Fluoranthene	ND		2.2	0.18	ug/L		09/15/11 07:58	09/16/11 20:24	1
Fluorene	ND		2.2	0.23	ug/L		09/15/11 07:58	09/16/11 20:24	1
Indeno[1,2,3-cd]pyrene	ND		2.2	0.22	ug/L		09/15/11 07:58	09/16/11 20:24	1
Naphthalene	**1400**	**E**	2.2	0.15	ug/L		09/15/11 07:58	09/16/11 20:24	1
Phenanthrene	ND		2.2	0.46	ug/L		09/15/11 07:58	09/16/11 20:24	1
Pyrene	ND		2.2	0.17	ug/L		09/15/11 07:58	09/16/11 20:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*47*		*37 - 104*	*09/15/11 07:58*	*09/16/11 20:24*	*1*
2-Fluorobiphenyl	*53*		*35 - 108*	*09/15/11 07:58*	*09/16/11 20:24*	*1*
Terphenyl-d14	*44*		*25 - 130*	*09/15/11 07:58*	*09/16/11 20:24*	*1*
2,4,6-Tribromophenol	*70*		*33 - 122*	*09/15/11 07:58*	*09/16/11 20:24*	*1*
2-Fluorophenol	*54*		*26 - 100*	*09/15/11 07:58*	*09/16/11 20:24*	*1*
Phenol-d5	*59*		*30 - 102*	*09/15/11 07:58*	*09/16/11 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		43	3.1	ug/L		09/15/11 07:58	09/17/11 15:18	20
Acenaphthylene	ND		43	3.3	ug/L		09/15/11 07:58	09/17/11 15:18	20

Client Sample ID: MW-19 091211
Date Collected: 09/12/11 12:55
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		43	3.3	ug/L		09/15/11 07:58	09/17/11 15:18	20
Benzo[a]anthracene	ND		43	3.2	ug/L		09/15/11 07:58	09/17/11 15:18	20
Benzo[a]pyrene	ND		43	2.9	ug/L		09/15/11 07:58	09/17/11 15:18	20
Benzo[b]fluoranthene	ND		43	3.4	ug/L		09/15/11 07:58	09/17/11 15:18	20
Benzo[g,h,i]perylene	ND		43	3.3	ug/L		09/15/11 07:58	09/17/11 15:18	20
Benzo[k]fluoranthene	ND		43	12	ug/L		09/15/11 07:58	09/17/11 15:18	20
Chrysene	ND		43	3.0	ug/L		09/15/11 07:58	09/17/11 15:18	20
Dibenz(a,h)anthracene	ND		43	3.4	ug/L		09/15/11 07:58	09/17/11 15:18	20
Fluoranthene	ND		43	3.5	ug/L		09/15/11 07:58	09/17/11 15:18	20
Fluorene	ND		43	4.7	ug/L		09/15/11 07:58	09/17/11 15:18	20
Indeno[1,2,3-cd]pyrene	ND		43	4.3	ug/L		09/15/11 07:58	09/17/11 15:18	20
Naphthalene	**2700**		43	3.0	ug/L		09/15/11 07:58	09/17/11 15:18	20
Phenanthrene	ND		43	9.3	ug/L		09/15/11 07:58	09/17/11 15:18	20
Pyrene	ND		43	3.4	ug/L		09/15/11 07:58	09/17/11 15:18	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*37 - 104*	*09/15/11 07:58*	*09/17/11 15:18*	*20*
2-Fluorobiphenyl	*58*		*35 - 108*	*09/15/11 07:58*	*09/17/11 15:18*	*20*
Terphenyl-d14	*45*		*25 - 130*	*09/15/11 07:58*	*09/17/11 15:18*	*20*
2,4,6-Tribromophenol	*54*		*33 - 122*	*09/15/11 07:58*	*09/17/11 15:18*	*20*
2-Fluorophenol	*49*		*26 - 100*	*09/15/11 07:58*	*09/17/11 15:18*	*20*
Phenol-d5	*56*		*30 - 102*	*09/15/11 07:58*	*09/17/11 15:18*	*20*

Client Sample ID: SW-02 091211
Date Collected: 09/12/11 00:00
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/20/11 14:25	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/20/11 14:25	1
Toluene	ND		1.0	0.15	ug/L			09/20/11 14:25	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/20/11 14:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 128*		*09/20/11 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*09/20/11 14:25*	*1*
4-Bromofluorobenzene (Surr)	*80*		*70 - 118*		*09/20/11 14:25*	*1*
Toluene-d8 (Surr)	*94*		*71 - 118*		*09/20/11 14:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.4	0.18	ug/L		09/15/11 07:58	09/16/11 20:47	1
Acenaphthylene	ND		2.4	0.19	ug/L		09/15/11 07:58	09/16/11 20:47	1
Anthracene	ND		2.4	0.19	ug/L		09/15/11 07:58	09/16/11 20:47	1
Benzo[a]anthracene	ND		2.4	0.18	ug/L		09/15/11 07:58	09/16/11 20:47	1
Benzo[a]pyrene	ND		2.4	0.16	ug/L		09/15/11 07:58	09/16/11 20:47	1
Benzo[b]fluoranthene	**1.7**	**J**	2.4	0.19	ug/L		09/15/11 07:58	09/16/11 20:47	1
Benzo[g,h,i]perylene	ND		2.4	0.18	ug/L		09/15/11 07:58	09/16/11 20:47	1
Benzo[k]fluoranthene	ND		2.4	0.67	ug/L		09/15/11 07:58	09/16/11 20:47	1

Client Sample ID: SW-02 091211

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

Lab Sample ID: 180-3868-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		2.4	0.17	ug/L		09/15/11 07:58	09/16/11 20:47	1
Dibenz(a,h)anthracene	ND		2.4	0.19	ug/L		09/15/11 07:58	09/16/11 20:47	1
Fluoranthene	**1.2**	**J**	2.4	0.20	ug/L		09/15/11 07:58	09/16/11 20:47	1
Fluorene	ND		2.4	0.26	ug/L		09/15/11 07:58	09/16/11 20:47	1
Indeno[1,2,3-cd]pyrene	ND		2.4	0.24	ug/L		09/15/11 07:58	09/16/11 20:47	1
Naphthalene	ND		2.4	0.17	ug/L		09/15/11 07:58	09/16/11 20:47	1
Phenanthrene	ND		2.4	0.52	ug/L		09/15/11 07:58	09/16/11 20:47	1
Pyrene	**0.92**	**J**	2.4	0.19	ug/L		09/15/11 07:58	09/16/11 20:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*37 - 104*	*09/15/11 07:58*	*09/16/11 20:47*	*1*
2-Fluorobiphenyl	*49*		*35 - 108*	*09/15/11 07:58*	*09/16/11 20:47*	*1*
Terphenyl-d14	*46*		*25 - 130*	*09/15/11 07:58*	*09/16/11 20:47*	*1*
2,4,6-Tribromophenol	*75*		*33 - 122*	*09/15/11 07:58*	*09/16/11 20:47*	*1*
2-Fluorophenol	*67*		*26 - 100*	*09/15/11 07:58*	*09/16/11 20:47*	*1*
Phenol-d5	*71*		*30 - 102*	*09/15/11 07:58*	*09/16/11 20:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**93**	**B**	10	2.9	ug/L		09/20/11 12:30	09/21/11 11:53	1
Cyanide, Free	**11**		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:19	1

Client Sample ID: SW-01 091311

Date Collected: 09/13/11 09:15
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.15**	**J**	1.0	0.11	ug/L			09/20/11 15:18	1
Ethylbenzene	**0.60**	**J**	1.0	0.23	ug/L			09/20/11 15:18	1
Toluene	**0.22**	**J**	1.0	0.15	ug/L			09/20/11 15:18	1
Xylenes, Total	**0.54**	**J**	3.0	0.49	ug/L			09/20/11 15:18	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*70 - 128*		*09/20/11 15:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 135*		*09/20/11 15:18*	*1*
4-Bromofluorobenzene (Surr)	*85*		*70 - 118*		*09/20/11 15:18*	*1*
Toluene-d8 (Surr)	*100*		*71 - 118*		*09/20/11 15:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		3.7	0.27	ug/L		09/15/11 07:58	09/16/11 21:10	1
Acenaphthylene	ND		3.7	0.28	ug/L		09/15/11 07:58	09/16/11 21:10	1
Anthracene	ND		3.7	0.29	ug/L		09/15/11 07:58	09/16/11 21:10	1
Benzo[a]anthracene	ND		3.7	0.27	ug/L		09/15/11 07:58	09/16/11 21:10	1
Benzo[a]pyrene	ND		3.7	0.25	ug/L		09/15/11 07:58	09/16/11 21:10	1
Benzo[b]fluoranthene	ND		3.7	0.29	ug/L		09/15/11 07:58	09/16/11 21:10	1
Benzo[g,h,i]perylene	ND		3.7	0.28	ug/L		09/15/11 07:58	09/16/11 21:10	1
Benzo[k]fluoranthene	ND		3.7	1.0	ug/L		09/15/11 07:58	09/16/11 21:10	1
Chrysene	ND		3.7	0.26	ug/L		09/15/11 07:58	09/16/11 21:10	1

Client: AECOM, Inc.
Project/Site: AECOM, Mineral Springs

TestAmerica Job ID: 180-3868-1

Client Sample ID: SW-01 091311

Date Collected: 09/13/11 09:15
Date Received: 09/14/11 10:00

Lab Sample ID: 180-3868-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		3.7	0.29	ug/L		09/15/11 07:58	09/16/11 21:10	1
Fluoranthene	ND		3.7	0.30	ug/L		09/15/11 07:58	09/16/11 21:10	1
Fluorene	ND		3.7	0.40	ug/L		09/15/11 07:58	09/16/11 21:10	1
Indeno[1,2,3-cd]pyrene	ND		3.7	0.37	ug/L		09/15/11 07:58	09/16/11 21:10	1
Naphthalene	ND		3.7	0.26	ug/L		09/15/11 07:58	09/16/11 21:10	1
Phenanthrene	ND		3.7	0.79	ug/L		09/15/11 07:58	09/16/11 21:10	1
Pyrene	ND		3.7	0.29	ug/L		09/15/11 07:58	09/16/11 21:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*37 - 104*	*09/15/11 07:58*	*09/16/11 21:10*	*1*
2-Fluorobiphenyl	*57*		*35 - 108*	*09/15/11 07:58*	*09/16/11 21:10*	*1*
Terphenyl-d14	*68*		*25 - 130*	*09/15/11 07:58*	*09/16/11 21:10*	*1*
2,4,6-Tribromophenol	*78*		*33 - 122*	*09/15/11 07:58*	*09/16/11 21:10*	*1*
2-Fluorophenol	*64*		*26 - 100*	*09/15/11 07:58*	*09/16/11 21:10*	*1*
Phenol-d5	*67*		*30 - 102*	*09/15/11 07:58*	*09/16/11 21:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**11**	**B**	10	2.9	ug/L		09/20/11 12:30	09/21/11 11:54	1
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:24	1

Client Sample ID: TRIP BLANK

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

Lab Sample ID: 180-3868-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 15:51	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 15:51	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 15:51	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 15:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*70 - 128*		*09/19/11 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*64 - 135*		*09/19/11 15:51*	*1*
4-Bromofluorobenzene (Surr)	*78*		*70 - 118*		*09/19/11 15:51*	*1*
Toluene-d8 (Surr)	*95*		*71 - 118*		*09/19/11 15:51*	*1*

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

Lab Sample ID: MB 180-14506/3
Matrix: Water
Analysis Batch: 14506

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/19/11 08:13	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/19/11 08:13	1
Toluene	ND		1.0	0.15	ug/L			09/19/11 08:13	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/19/11 08:13	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*85*		*70 - 128*		*09/19/11 08:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*64 - 135*		*09/19/11 08:13*	*1*
4-Bromofluorobenzene (Surr)	*75*		*70 - 118*		*09/19/11 08:13*	*1*
Toluene-d8 (Surr)	*75*		*71 - 118*		*09/19/11 08:13*	*1*

Lab Sample ID: LCS 180-14506/10
Matrix: Water
Analysis Batch: 14506

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

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*79*		*64 - 135*
4-Bromofluorobenzene (Surr)	*79*		*70 - 118*
Toluene-d8 (Surr)	*86*		*71 - 118*

Lab Sample ID: MB 180-14703/3
Matrix: Water
Analysis Batch: 14703

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.11	ug/L			09/20/11 09:45	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/20/11 09:45	1
Toluene	ND		1.0	0.15	ug/L			09/20/11 09:45	1
Xylenes, Total	ND		3.0	0.49	ug/L			09/20/11 09:45	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 128*		*09/20/11 09:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*64 - 135*		*09/20/11 09:45*	*1*
4-Bromofluorobenzene (Surr)	*85*		*70 - 118*		*09/20/11 09:45*	*1*
Toluene-d8 (Surr)	*86*		*71 - 118*		*09/20/11 09:45*	*1*

Lab Sample ID: LCS 180-14703/12
Matrix: Water
Analysis Batch: 14703

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

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*
4-Bromofluorobenzene (Surr)	*88*		*70 - 118*
Toluene-d8 (Surr)	*83*		*71 - 118*

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

Lab Sample ID: MB 180-14090/1-A
Matrix: Water
Analysis Batch: 14386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 11:55	1
Acenaphthylene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 11:55	1
Anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 11:55	1
Benzo[a]anthracene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 11:55	1
Benzo[a]pyrene	ND		2.0	0.13	ug/L		09/15/11 07:58	09/16/11 11:55	1
Benzo[b]fluoranthene	ND		2.0	0.16	ug/L		09/15/11 07:58	09/16/11 11:55	1
Benzo[g,h,i]perylene	ND		2.0	0.15	ug/L		09/15/11 07:58	09/16/11 11:55	1
Benzo[k]fluoranthene	ND		2.0	0.55	ug/L		09/15/11 07:58	09/16/11 11:55	1
Chrysene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 11:55	1
Dibenz(a,h)anthracene	ND		2.0	0.16	ug/L		09/15/11 07:58	09/16/11 11:55	1
Fluoranthene	ND		2.0	0.16	ug/L		09/15/11 07:58	09/16/11 11:55	1
Fluorene	ND		2.0	0.22	ug/L		09/15/11 07:58	09/16/11 11:55	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.20	ug/L		09/15/11 07:58	09/16/11 11:55	1
Naphthalene	ND		2.0	0.14	ug/L		09/15/11 07:58	09/16/11 11:55	1
Phenanthrene	ND		2.0	0.43	ug/L		09/15/11 07:58	09/16/11 11:55	1
Pyrene	ND		2.0	0.16	ug/L		09/15/11 07:58	09/16/11 11:55	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*37 - 104*	*09/15/11 07:58*	*09/16/11 11:55*	*1*
2-Fluorobiphenyl	*73*		*35 - 108*	*09/15/11 07:58*	*09/16/11 11:55*	*1*
Terphenyl-d14	*78*		*25 - 130*	*09/15/11 07:58*	*09/16/11 11:55*	*1*
2,4,6-Tribromophenol	*81*		*33 - 122*	*09/15/11 07:58*	*09/16/11 11:55*	*1*
2-Fluorophenol	*76*		*26 - 100*	*09/15/11 07:58*	*09/16/11 11:55*	*1*
Phenol-d5	*82*		*30 - 102*	*09/15/11 07:58*	*09/16/11 11:55*	*1*

Lab Sample ID: LCS 180-14090/2-A
Matrix: Water
Analysis Batch: 14386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	200	125		ug/L		62	39 - 106
Acenaphthylene	200	127		ug/L		64	40 - 113
Anthracene	200	135		ug/L		67	37 - 108
Benzo[a]anthracene	200	127		ug/L		63	40 - 103
Benzo[a]pyrene	200	135		ug/L		67	37 - 105
Benzo[b]fluoranthene	200	133		ug/L		66	35 - 100
Benzo[g,h,i]perylene	200	144		ug/L		72	31 - 118
Benzo[k]fluoranthene	200	133		ug/L		67	37 - 108
Chrysene	200	133		ug/L		66	39 - 103
Dibenz(a,h)anthracene	200	134		ug/L		67	32 - 117
Fluoranthene	200	129		ug/L		65	35 - 111
Fluorene	200	128		ug/L		64	39 - 107
Indeno[1,2,3-cd]pyrene	200	125		ug/L		63	32 - 116
Naphthalene	200	97.7		ug/L		49	35 - 98
Phenanthrene	200	133		ug/L		67	34 - 107
Pyrene	200	130		ug/L		65	36 - 115

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*48*		*37 - 104*

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

Lab Sample ID: LCS 180-14090/2-A
Matrix: Water
Analysis Batch: 14386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14090

Surrogate	LCS % Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	54		35 - 108
Terphenyl-d14	73		25 - 130
2,4,6-Tribromophenol	79		33 - 122
2-Fluorophenol	50		26 - 100
Phenol-d5	62		30 - 102

Lab Sample ID: LCSD 180-14090/3-A
Matrix: Water
Analysis Batch: 14386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 14090

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene			200	124		ug/L		62	39 - 106	0	32
Acenaphthylene			200	126		ug/L		63	40 - 113	1	33
Anthracene			200	130		ug/L		65	37 - 108	3	40
Benzo[a]anthracene			200	115		ug/L		58	40 - 103	10	33
Benzo[a]pyrene			200	129		ug/L		64	37 - 105	4	35
Benzo[b]fluoranthene			200	125		ug/L		63	35 - 100	6	44
Benzo[g,h,i]perylene			200	142		ug/L		71	31 - 118	1	45
Benzo[k]fluoranthene			200	121		ug/L		60	37 - 108	10	42
Chrysene			200	123		ug/L		62	39 - 103	7	38
Dibenz(a,h)anthracene			200	130		ug/L		65	32 - 117	3	43
Fluoranthene			200	120		ug/L		60	35 - 111	7	43
Fluorene			200	128		ug/L		64	39 - 107	0	33
Indeno[1,2,3-cd]pyrene			200	122		ug/L		61	32 - 116	2	45
Naphthalene			200	95.2		ug/L		48	35 - 98	3	39
Phenanthrene			200	126		ug/L		63	34 - 107	6	34
Pyrene			200	126		ug/L		63	36 - 115	3	38

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	46		37 - 104
2-Fluorobiphenyl	54		35 - 108
Terphenyl-d14	68		25 - 130
2,4,6-Tribromophenol	77		33 - 122
2-Fluorophenol	48		26 - 100
Phenol-d5	59		30 - 102

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 220-54954/4-A
Matrix: Water
Analysis Batch: 54997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	6.22	J	10	2.9	ug/L		09/20/11 09:55	09/21/11 11:34	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: 180-3868-1 MS — **Client Sample ID: EB 091211**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54997 — **Prep Batch: 54954**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	ND		40.0	39.1		ug/L		98	75 - 125

Lab Sample ID: 180-3868-1 DU — **Client Sample ID: EB 091211**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54997 — **Prep Batch: 54954**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	ND		ND		ug/L		NC	20

Method: D4282_02 - Cyanide, Free

Lab Sample ID: MB 220-54928/11-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54931 — **Prep Batch: 54928**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 16:36	1

Lab Sample ID: MB 220-54928/35-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54931 — **Prep Batch: 54928**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		10	3.4	ug/L		09/19/11 11:00	09/19/11 17:21	1

Lab Sample ID: MSB 220-54928/12-A MSB — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54931 — **Prep Batch: 54928**

Analyte	Spike Added	MSB Result	MSB Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Free	50.0	50.0		ug/L		100	90 - 110

Lab Sample ID: MSB 220-54928/36-A MSB — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54931 — **Prep Batch: 54928**

Analyte	Spike Added	MSB Result	MSB Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Free	50.0	48.0		ug/L		96	90 - 110

Lab Sample ID: 180-3868-3 MS — **Client Sample ID: MW-23 091211**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 54931 — **Prep Batch: 54928**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Free	4.0	J	50.0	50.0		ug/L		92	75 - 125

Method: D4282_02 - Cyanide, Free (Continued)

Lab Sample ID: 180-3868-3 MSD
Matrix: Water
Analysis Batch: 54931

Client Sample ID: MW-23 091211
Prep Type: Total/NA
Prep Batch: 54928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Cyanide, Free	4.0	J	50.0	52.0		ug/L		96	75 - 125	4	20

GC/MS VOA

Analysis Batch: 14506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	8260B	
180-3868-3	MW-23 091211	Total/NA	Water	8260B	
180-3868-4	MW-73 091211	Total/NA	Water	8260B	
180-3868-7	MW-13 091211	Total/NA	Water	8260B	
180-3868-9	MW-10 091211	Total/NA	Water	8260B	
180-3868-14	MW-17 091211	Total/NA	Water	8260B	
180-3868-18	TRIP BLANK	Total/NA	Water	8260B	
LCS 180-14506/10	Lab Control Sample	Total/NA	Water	8260B	
MB 180-14506/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 14703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-2	MW-7 091211	Total/NA	Water	8260B	
180-3868-10	MW-11A 091211	Total/NA	Water	8260B	
180-3868-15	MW-19 091211	Total/NA	Water	8260B	
180-3868-16	SW-02 091211	Total/NA	Water	8260B	
180-3868-17	SW-01 091311	Total/NA	Water	8260B	
LCS 180-14703/12	Lab Control Sample	Total/NA	Water	8260B	
MB 180-14703/3	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 14090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	3520C	
180-3868-2	MW-7 091211	Total/NA	Water	3520C	
180-3868-2 - DL	MW-7 091211	Total/NA	Water	3520C	
180-3868-3	MW-23 091211	Total/NA	Water	3520C	
180-3868-4	MW-73 091211	Total/NA	Water	3520C	
180-3868-7	MW-13 091211	Total/NA	Water	3520C	
180-3868-9	MW-10 091211	Total/NA	Water	3520C	
180-3868-10	MW-11A 091211	Total/NA	Water	3520C	
180-3868-14	MW-17 091211	Total/NA	Water	3520C	
180-3868-15	MW-19 091211	Total/NA	Water	3520C	
180-3868-15 - DL	MW-19 091211	Total/NA	Water	3520C	
180-3868-16	SW-02 091211	Total/NA	Water	3520C	
180-3868-17	SW-01 091311	Total/NA	Water	3520C	
LCS 180-14090/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-14090/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-14090/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 14386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	8270C	14090
180-3868-2	MW-7 091211	Total/NA	Water	8270C	14090
180-3868-2 - DL	MW-7 091211	Total/NA	Water	8270C	14090
180-3868-3	MW-23 091211	Total/NA	Water	8270C	14090
180-3868-4	MW-73 091211	Total/NA	Water	8270C	14090
180-3868-7	MW-13 091211	Total/NA	Water	8270C	14090
180-3868-9	MW-10 091211	Total/NA	Water	8270C	14090
180-3868-10	MW-11A 091211	Total/NA	Water	8270C	14090
180-3868-14	MW-17 091211	Total/NA	Water	8270C	14090

GC/MS Semi VOA (Continued)

Analysis Batch: 14386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-15	MW-19 091211	Total/NA	Water	8270C	14090
180-3868-16	SW-02 091211	Total/NA	Water	8270C	14090
180-3868-17	SW-01 091311	Total/NA	Water	8270C	14090
LCS 180-14090/2-A	Lab Control Sample	Total/NA	Water	8270C	14090
LCSD 180-14090/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	14090
MB 180-14090/1-A	Method Blank	Total/NA	Water	8270C	14090

Analysis Batch: 14453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-15 - DL	MW-19 091211	Total/NA	Water	8270C	14090

General Chemistry

Prep Batch: 54928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	D4282_02	
180-3868-3	MW-23 091211	Total/NA	Water	D4282_02	
180-3868-3 MS	MW-23 091211	Total/NA	Water	D4282_02	
180-3868-3 MSD	MW-23 091211	Total/NA	Water	D4282_02	
180-3868-4	MW-73 091211	Total/NA	Water	D4282_02	
180-3868-5	MW-20 091211	Total/NA	Water	D4282_02	
180-3868-6	MW-21 091211	Total/NA	Water	D4282_02	
180-3868-7	MW-13 091211	Total/NA	Water	D4282_02	
180-3868-8	MW-22 091211	Total/NA	Water	D4282_02	
180-3868-11	MW-12 091211	Total/NA	Water	D4282_02	
180-3868-12	MW-14 091311	Total/NA	Water	D4282_02	
180-3868-13	MW-16 091311	Total/NA	Water	D4282_02	
180-3868-14	MW-17 091211	Total/NA	Water	D4282_02	
180-3868-16	SW-02 091211	Total/NA	Water	D4282_02	
180-3868-17	SW-01 091311	Total/NA	Water	D4282_02	
MB 220-54928/11-A	Method Blank	Total/NA	Water	D4282_02	
MB 220-54928/35-A	Method Blank	Total/NA	Water	D4282_02	
MSB 220-54928/12-A MSB	Lab Control Sample	Total/NA	Water	D4282_02	
MSB 220-54928/36-A MSB	Lab Control Sample	Total/NA	Water	D4282_02	

Analysis Batch: 54931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	D4282_02	54928
180-3868-3	MW-23 091211	Total/NA	Water	D4282_02	54928
180-3868-3 MS	MW-23 091211	Total/NA	Water	D4282_02	54928
180-3868-3 MSD	MW-23 091211	Total/NA	Water	D4282_02	54928
180-3868-4	MW-73 091211	Total/NA	Water	D4282_02	54928
180-3868-5	MW-20 091211	Total/NA	Water	D4282_02	54928
180-3868-6	MW-21 091211	Total/NA	Water	D4282_02	54928
180-3868-7	MW-13 091211	Total/NA	Water	D4282_02	54928
180-3868-8	MW-22 091211	Total/NA	Water	D4282_02	54928
180-3868-11	MW-12 091211	Total/NA	Water	D4282_02	54928
180-3868-12	MW-14 091311	Total/NA	Water	D4282_02	54928
180-3868-13	MW-16 091311	Total/NA	Water	D4282_02	54928
180-3868-14	MW-17 091211	Total/NA	Water	D4282_02	54928
180-3868-16	SW-02 091211	Total/NA	Water	D4282_02	54928
180-3868-17	SW-01 091311	Total/NA	Water	D4282_02	54928

General Chemistry (Continued)

Analysis Batch: 54931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 220-54928/11-A	Method Blank	Total/NA	Water	D4282_02	54928
MB 220-54928/35-A	Method Blank	Total/NA	Water	D4282_02	54928
MSB 220-54928/12-A MSB	Lab Control Sample	Total/NA	Water	D4282_02	54928
MSB 220-54928/36-A MSB	Lab Control Sample	Total/NA	Water	D4282_02	54928

Prep Batch: 54954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	Distill/CN	
180-3868-1 DU	EB 091211	Total/NA	Water	Distill/CN	
180-3868-1 MS	EB 091211	Total/NA	Water	Distill/CN	
180-3868-3	MW-23 091211	Total/NA	Water	Distill/CN	
180-3868-4	MW-73 091211	Total/NA	Water	Distill/CN	
180-3868-5	MW-20 091211	Total/NA	Water	Distill/CN	
180-3868-6	MW-21 091211	Total/NA	Water	Distill/CN	
180-3868-7	MW-13 091211	Total/NA	Water	Distill/CN	
180-3868-8	MW-22 091211	Total/NA	Water	Distill/CN	
180-3868-11	MW-12 091211	Total/NA	Water	Distill/CN	
180-3868-12	MW-14 091311	Total/NA	Water	Distill/CN	
180-3868-13	MW-16 091311	Total/NA	Water	Distill/CN	
180-3868-14	MW-17 091211	Total/NA	Water	Distill/CN	
180-3868-16	SW-02 091211	Total/NA	Water	Distill/CN	
180-3868-17	SW-01 091311	Total/NA	Water	Distill/CN	
MB 220-54954/4-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 54997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3868-1	EB 091211	Total/NA	Water	335.4	54954
180-3868-1 DU	EB 091211	Total/NA	Water	335.4	54954
180-3868-1 MS	EB 091211	Total/NA	Water	335.4	54954
180-3868-3	MW-23 091211	Total/NA	Water	335.4	54954
180-3868-4	MW-73 091211	Total/NA	Water	335.4	54954
180-3868-5	MW-20 091211	Total/NA	Water	335.4	54954
180-3868-6	MW-21 091211	Total/NA	Water	335.4	54954
180-3868-7	MW-13 091211	Total/NA	Water	335.4	54954
180-3868-8	MW-22 091211	Total/NA	Water	335.4	54954
180-3868-11	MW-12 091211	Total/NA	Water	335.4	54954
180-3868-12	MW-14 091311	Total/NA	Water	335.4	54954
180-3868-13	MW-16 091311	Total/NA	Water	335.4	54954
180-3868-14	MW-17 091211	Total/NA	Water	335.4	54954
180-3868-16	SW-02 091211	Total/NA	Water	335.4	54954
180-3868-17	SW-01 091311	Total/NA	Water	335.4	54954
MB 220-54954/4-A	Method Blank	Total/NA	Water	335.4	54954

Chain of Custody Record

TestAmerica Laboratory location: PITTSBURGH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: AECOM	Client Project Manager: AECOM - TAMARA RABY	Site Contact: Tamara RABY	Lab Contact: Dave Duplop / Whitney	COC No:
Address: 100 Corp - Pkwy St 341	Telephone: (716) 836 - 4506	Telephone: 716 836-4506	Telephone: (412) 963-7058	1 of 2 COCs
City/State/Zip: Amherst, NY, 14226	Email: Tamara.Raby@aecom.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: (716) 836-4506		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: AECOM Mineral Springs	Method of Shipment/Carrier:			Job/SDG No:
Project Number: 04870-025-200	Shipping/Tracking No:			
PO # None				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	BTEX low level 8260B	PAH's selected 8270C	Total CN 9012A	Free CN ASTM D4282-02	Sample Specific Notes / Special Instructions:
EB 091211	9-12-11	10:30		✓						✓	✓		✓				✓	✓	✓	✓	
MW-07 091211	9-12-11	11:20		✓						✓							✓	✓			
MW-23 091211	9-12-11	12:25		✓						✓	✓	✓					✓	✓	✓	✓	
MW-73 091211	9-12-11	9:00		✓						✓	✓	✓					✓	✓	✓	✓	
MW-20 091211	9-12-11	14:30		✓							✓								✓	✓	
MW-21 091211	9-12-11	15:40		✓							✓								✓	✓	
MW-13 091211	9-13-11	9:30		✓						✓	✓		✓				✓	✓	✓	✓	
MW-22 091211				✓							✓								✓	✓	
MW-10 091211	9-12-11	10:50		✓						✓							✓	✓			
MW-11A 091211	9-12-11	12:05		✓						✓							✓	✓			

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	9/13/11 1100	[signature]	TALPT	9/14/11 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: AECOM	Client Project Manager: AECOM - Tamara Raby	~~Site~~ LAB Contact: Dave Dunlop/Whitney	~~Lab~~ SITE Contact: Tamara Raby	COC No:
Address: 100 Corp Pkwy Suite 341	Telephone: (716) 836-4506	Telephone: (412) 963-7058	Telephone: (716) 836-4506	2 of 2 COCs
City/State/Zip: Amherst NY 14226	Email: Tamara.Raby@aecom.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: (716) 836-4506		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: AECOM Mineral Springs	Method of Shipment/Carrier:			Job/SDG No:
Project Number: 04870-025-200	Shipping/Tracking No:			
PO# None				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	BTEX low level 8260B	PAH selected 8270C	Total CN 9012A	Free CN ASTM D4282	Sample Specific Notes / Special Instructions:
MW-13 091211	9-12-11	13:35		✓							✓								✓	✓	
MW-14 091311	9-13-11	10:20		✓							✓								✓	✓	
MW-16 091311	9-13-11	9:20		✓							✓								✓	✓	
MW-17 091211	9-12-11	15:00		✓						✓	✓		✓				✓	✓	✓	✓	
MW-19 091211	9-12-11	12:55		✓						✓							✓	✓			
TRIP BLANK	9-12-11	—		✓						✓							✓				
SW-01 091311	9-13-11	9:15								✓	✓		✓				✓	✓	✓	✓	
SW-02 091211	9-12-11	12:00								✓	✓		✓				✓	✓	✓	✓	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: AECOM	Date/Time: 9/13/11 1100	Received by:		Company: TAL	Date/Time: 9/14/11 1000
Relinquished by:	Company:	Date/Time:	Received by:		Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:		Company:	Date/Time:

TAL-0018 (1008)

FedEx Express® NEW Package US Airbill

FedEx Tracking Number 8769 0316 0888

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 9/13/11

Sender's FedEx Account Number 1199-2951-2

Sender's Name Kaitlin Stahle Phone (6?) 342-9665

Company Afram

Address 75 Cleveland Ave

Dept./Floor/Suite/Room

City Elmira State NY ZIP 14905

2 Your Internal Billing Reference Mineral Springs

3 To

Recipient's Name Sample Receiving Phone

Company Test America

Address 301 Alpha Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

01 ☐ HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

31 ☐ HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City Pittsburgh State PA ZIP 15238

8769 0316 0888

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

1 ☒ Sender — Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted]

Total Packages 4 Total Weight 16?? lbs. [redacted] Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 180-3868-1

Login Number: 3868

List Number: 1

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 180-3868-1

Login Number: 3868
List Number: 1
Creator: Puccino, Tracy

List Source: TestAmerica Connecticut
List Creation: 09/17/11 11:57 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2C Probe
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 180-3868-1

Login Number: 3868
List Number: 2
Creator: Natoli, Richard A

List Source: TestAmerica Connecticut
List Creation: 09/20/11 08:09 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		