From: Doshi, Reeti <Reeti.Doshi@aecom.com>
Sent: Tuesday, October 02, 2018 3:17 PM
To: Spellman, John (DEC)
Cc: tlblazicek@nyseg.com
Subject: Mechanicville - Gorundwater Monitoring Report
Attachments: 2017 Mechanicville Monitoring Report.pdf

Dear John,

Hope you have been doing well. Attached please find the groundwater monitoring report for the former MGP site in Mechanicville, NY. Please let me know if you have any question or comment on the report.

Thank you.
Reeti

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October 2, 2018 **SENT VIA ELECTRONIC MAIL**

Mr. John Spellman
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Subject: **Mechanicville Site Management**
Status Report (June 2017)
Site #: 546033
NYSEG – Mechanicville Central Avenue Former MGP Site

Dear Mr. Spellman,

On behalf of New York State Electric and Gas Corporation (NYSEG), AECOM has prepared this letter to describe activities at the Mechanicville Central Avenue Former Manufactured Gas Plant (site) in Mechanicville, NY. The report summarizes activities performed at the Site in June 2017 in accordance with the site management plan (SMP) that was approved by the New York State Department of Conservation (NYSDEC) in April 2011 as well as the periodic review report (PRR) that was approved by the NYSDEC in August 2016.

The Mechanicville former MGP site is located on North Central Avenue in Mechanicville, Saratoga County, NY. The Site is bordered on the east by North Central Avenue (formerly the Champlain Canal); on the south by Ferris Lane; on the west by G. A. Bove & Sons, a fuel distributor; and on the north by the Anthony Kill, a small tributary that flows eastward into the Hudson River.

The SMP requires the following activities:

- Measuring non aqueous phase liquids (NAPL) at selected monitoring wells and removal of NAPL from wells with greater than 6 inches (0.5 feet) of measureable NAPL;
- Monitoring of the Anthony Creek for NAPL blebs quarterly for the first year and evaluated the monitoring frequency to annual as per the 2016 PRR;
- Annual streambank inspections;
- Groundwater sampling of selected wells once every two years until the results meet the groundwater standards, criteria, and guidelines (SCGs) for at least two consecutive sampling events; and
- Indoor air quality sampling is required prior to change in site usage or site development; no buildings are presently located at the site.

NAPL Monitoring

On June 29, 2017, monitoring wells MW-1D, TW-1, TW-2I, TW-3, MW-10D, MW-33D, MW-42D, and MW-45I were monitored to measure the presence of NAPL in each well. The well locations are depicted in Figure 1. A weighted string was used to measure NAPL thickness. MW-35I and MW-44I could not be located upon efforts to find them. Further efforts to locate these wells with metal detector will be made during the next annual gauging event. The efforts will be documented and if the wells are not located, NYSDEC will be informed and request will be made to consider these wells as abandoned.

The NAPL thickness in select monitoring wells in June 2017 is summarized below in Table 1. The NAPL monitoring observations are also summarized in the Figure 2.

Table 1 - Summary of NAPL Monitoring (June 2017)

Monitoring Well	NAPL Thickness (inches)	NAPL Removed (Gallons)
MW-1D	0.0	0
TW-1	1.5	0
TW-2I	0.0	0
TW-3	0.0	0
MW-10D	1.5	0
MW-33D	Trace NAPL	0
MW-34D	Decommissioned	0
MW-35I	Can't locate	0
MW-42D	5.0	0
MW-44I	Can't locate	0
MW-45I	1.5	0

NM = No measureable NAPL observed

NAPL RECOVERY

Removal of NAPL did not occur this quarter as none of the wells had measureable NAPL thicknesses exceeding 6 inches.

GROUNDWATER MONITORING

On June 29, 2017, depth to groundwater measurements were collected from the monitoring wells and recovery wells designated for NAPL gauging. Depth to groundwater was also collected from the monitoring wells associated with the site prior to the July 2017 groundwater sampling event as required by the SMP. Depth to groundwater and groundwater elevations measured during this monitoring event are included in Table 2.

Groundwater samples were collected from the select monitoring wells on July 11, 12, and 13, 2017. The field parameters were recorded in a field book and monitoring well purging/sampling forms (Attachment 1). A list of select monitoring wells and measurement/analysis parameters is included below.

List of Groundwater Monitoring Wells and Measurement/Analysis Parameters

Monitoring Event	Monitoring Locations		Measurements/Analysis
Groundwater Monitoring Event: July 2017	MW-2 MW-2I MW-17 MW-17I MW-17D MW-20D	MW-36I MW-36D MW-38I MW-38D MW-39D MW-40D	• Water Levels • Field Parameters (DO, ORP, turbidity, temp) • VOCs – Method 8260 • SVOCs – Method 8270 • Cyanide (total) – Method 9012

Sampling Procedure

All sampling activities were recorded in a field book and monitoring well purging/sampling forms (Attachment 2). Other observations (e.g., well integrity) were also noted on the well sampling logs. All wells were purged and sampled using a peristaltic pump using low flow sampling techniques.

Purging activities were conducted as below:

- Prior to sampling, the static water level was measured to the nearest 0.01 foot from the surveyed well elevation mark on the top of the polyvinyl chloride (PVC) casing with a decontaminated water level indicator. The measurement was recorded in the purging/sampling form. Groundwater elevation contours for the shallow and intermediate intervals are depicted on Figure 3A and for deep interval are depicted on Figure 3B.
- The water level indicator was decontaminated between uses.
- Groundwater was purged using an adjustable flow peristaltic pump and dedicated tubing until field parameters stabilized, up to three well volumes were removed, or 1 hour of continuous purging was performed. Field parameters were considered to be stable when three consecutive readings were within the stabilization criteria for that parameter. The stabilization criteria were as follows: 10% or below 10 NTUs for turbidity, 3% of conductivity and temperature, 0.1 unit for pH, and 10 mV for ORP. Purging was conducted using the low-flow sampling technique specified by the U.S. EPA Region 1 guidance document "Low-Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells" (USEPA, 1996).
- The flow rate measurement was approximately 0.5 liters per minute or less.
- All purge water generated from the groundwater monitoring program was collected and stored in the 55-gallon drum located on-site until arrangements were made to ship the container to an off-site facility for proper disposal.

Sampling activities are detailed below:

- Samples were collected using dedicated polyethylene tubing.
- Prior to filling the sample bottles, the temperature, pH, conductivity, and oxidation reduction potential (ORP) were measured within a flow-through cell. Turbidity was measured with a hand-held turbidity meter. All measurements were recorded in the purging/sampling form.
- Three 40-ml vials with Teflon lined septa and hydrochloric acid as a preservative were filled for analysis of VOCs. The vials were filled to ensure that no bubbles were present in the sample. A 1 liter amber glass was filled for SVOC analysis.
- The sample containers were labeled, placed in a laboratory-supplied cooler, and packed on ice (to maintain a temperature of 4^{o}C). The coolers were delivered to the laboratory for analysis on July 13 and 14, 2017.
- Standard chain of custody procedures were followed. The chain of custody records are included in the Attachment 2.

All sampling and analyses were performed in accordance with the requirements described in the Quality Assurance Project Plan (QAPP) included as Appendix B of the SMP.

Groundwater Sampling Results

A total of 12 groundwater wells were sampled on July 11, 12 and 13, 2017. The samples were analyzed by a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP) certified laboratory, Test America, for VOCs, SVOCs, and cyanide. The groundwater sample results are tabulated and shown in Figure 4. The laboratory data package is included in Attachment 3. The analytical results were also validated by a qualified data validator. The data validation report is included in Attachment 4.

VOCs were detected in five of 12 groundwater samples collected during the July 2017 sampling event and are summarized in Table 3. All concentrations were below their respective Ambient Water Quality Standards (AWQS).

Various SVOCs, mainly PAHs, were detected in eight of 12 groundwater samples collected during the July 2017 sampling event. The detected SVOCs are summarized in Table 4. Total SVOCs concentrations ranged from 0.49 µg/L to 39.78 µg/L. SVOCs were detected at concentrations exceeding the AWQS in the samples collected from MW-2I, MW-17, MW-38D, and MW-38I.

Cyanide was detected in five samples (MW-2, MW-17, MW-38D, and MW-39D) at concentrations significantly less than the AWQS. The cyanide results are included in Table 5.

STREAMLINE AND CREEK OBSERVATION

The Anthony Kill was observed for signs of visible NAPL blebs on June 29, 2017. No NAPL blebs were observed at the location where the sediment removal occurred. The streamline observation form is included in Attachment 5.

STREAMBANK STABILIZATION

The stream bank appeared to be completely vegetated with grass and clovers. Sixteen trees were noted; four seemed dead.

SOIL COVER

The former mechanic's shop and repair building were demolished prior to June as documented in the first quarterly monitoring report (AECOM, August 8, 2011). A compressed natural gas facility was constructed at the site in 2015 and presently remains in the similar condition. The concrete slab and asphalt pavement at the site prevent human exposure to the underlying soils. No significant erosion was noticed at the site.

CONCLUSIONS

Based on the quarterly inspection and groundwater sampling event, the following conclusions were developed:

- NAPL was measured at five of eight gauged wells, all at thicknesses less than 0.5-ft.
- No NAPL thickness greater than 0.5-ft was found during this gauging event.
- The groundwater sampling results indicated AWQS exceedances of SVOCs in five of the wells sampled.
- NAPL blebs were not been observed in the Anthony Kill Creek.

- The streamline is stable and covered with vegetation.
- The exposure to residual soil contamination is effectively prevented by the concrete slab and asphalt pavement. The soil cover did not show sign of significant erosion.
- The institutional control and engineering control (IC/EC) certification will be included in the PRR with formal annual site inspection checklist.

RECOMMENDATIONS

- Complete a PRR for the site by April 2021 (5 years following the approval of the last PRR). The PRR will include the institutional control and engineering control (IC/EC) certification and formal annual site inspection checklist.
- Perform the next bi-annual round of groundwater sampling in July 2019 without any modification to the sampling plan.

If you have any questions please contact me at (646) 220-8786, or contact me via email at Reeti.Doshi@aecom.com.

Yours sincerely,

Project Manager

cc: T. Blazicek, NYSEG

FIGURES

MW-36I
MW-36D
MW-37I
MW-37D
MW-20D
MW-35I
MW-34D
ANTHONY KILL
NORTH CENTRAL AVENUE
GROVE STREET
MW-41D
MW-32D
TW-4
MW-15IR
MW-22IR
TW-3
TW-2I
MW-29IR
TW-2S
MW-14
MW-14S
MW-14D
MW-17D
MW-17I
BLOCK / BRICK STRUCTURE
MW-46I
MW-2
MW-44I
MW-25D
MW-25I
MW-2I
MW-45I
MW-12S
MW-13
MW-12
MW-30D
MW-30S
TW-1
MW-17
MW-18
WILLIAM STREET
FERRIS LANE
MW-19I
WEST WAY
JAMES STREET
MW-1I
MW-1
MW-1D
MW-10D
MW-10
MW-10I
MW-33D
MW-38D
MW-38I
MW-40D
ELECTRIC SUB-STATION
MW-42D
BURKE STREET
EAST WAY
MW-43D
MW-31S
MW-31D
MW-39D
FRANCES STREET
CANAL STR
ON STREET

LEGEND

MW-12S	MONITORING WELL LOCATION
MW-12S	DECOMISSIONED MONITORING WELL
	WELL USED FOR NAPL MONITORING
	WELL USED FOR SAMPLING
	WELL COULD NOT BE LOCATED
-------	APPROXIMATE LOCATION OF FRACTURES
----------	EXTENT OF 2009 SOIL REMOVAL LIMITS
X	ANTHONY KILL OBSERVATION LOCATION

0’ 40’ 80’ 160’

AECOM

SITE MANAGEMENT PLAN

MONITORING WELL LOCATIONS

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	07/31/18	1

Plotted By: karchj1
Layout-Sheet Name: SM-MW_FIG1
Plot File Date Created: Jul/31/2018 3:39 PM

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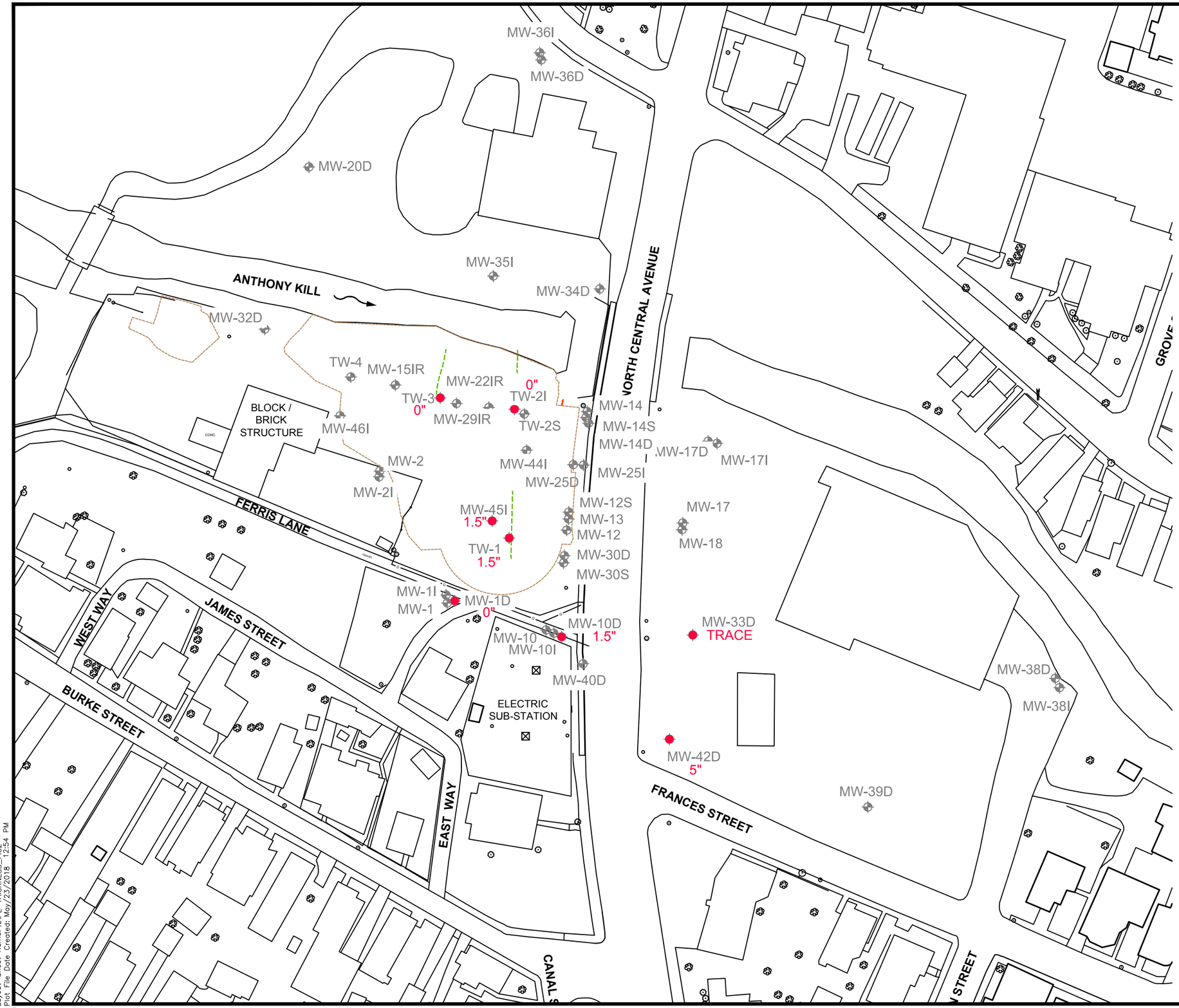

LEGEND

- MW-44I — MONITORING WELL LOCATION
- ● — WELL USED FOR NAPL MONITORING
- 1.5" — NAPL THICKNESS (INCHES) - JUNE 2017
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL

0' 40' 80' 160'

AECOM

NAPL MONITORING RESULTS
JUNE 2017

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	05/2018	2

Plotted By: karchj1
Layout-Sheet Name: NAPL_THICKNESS_FIG2
Plot File Date Created: May/23/2018 12:54 PM

Filename: \\USABY2FP001\DATA\PROJECTS\94560\CADD\MONITORING\94560-MONITORING-JUNE-2017.DWG

MW-36I
83.88
83.49
MW-36D
82.42
MW-20D
MW-35I
MW-34D
ANTHONY KILL
MW-32D
NORTH CENTRAL AVENUE
TW-4
MW-15IR
78.70
MW-22IR
78.10
TW-3
TW-2I
MW-14
MW-29IR
TW-2S
MW-14S
BLOCK / BRICK STRUCTURE
MW-46I
79
80
MW-14D
MW-2
82.97
81
MW-44I
MW-17D
85.17
MW-17I
79.85
MW-25I
MW-25D
MW-2I
84.73
82
80.66
MW-45I
MW-12S
MW-13
MW-17
80.16
FERRIS LANE
MW-12
MW-18
TW-1
80.43
MW-30D
MW-30S
81.81
MW-1I
MW-1
MW-1D
WEST WAY
JAMES STREET
MW-10D
MW-10
85.01
MW-10I
80.71
MW-33D
72.66
MW-38D
MW-40D
81.41
MW-38I
ELECTRIC SUB-STATION
BURKE STREET
EAST WAY
MW-42D
81.30
76.35
MW-39D
FRANCES STREET
CANAL S
STREET

LEGEND

- MW-44I — MONITORING WELL LOCATION
- 78.90 — GROUNDWATER ELEVATION (JULY 2017)
- 82 — GROUNDWATER CONTOUR - 1 FT. INTERVAL (JULY 2017 - DASHED WHERE INFERED)
- GENERAL GROUNDWATER FLOW DIRECTION
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL

NOTE: HIGHLIGHTED VALUE USED FOR CONTOUR CREATION

N

0' 40' 80' 160'

AECOM

GROUNDWATER CONTOURS SHALLOW & INTERMEDIATE ZONE JULY 2017

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	9 / 2018	3A

Plotted By: meisterk
Layout-Sheet Name: JULY-GW-CONT-SI
Plot File Date Created: Sep/26/2018 4:14 PM

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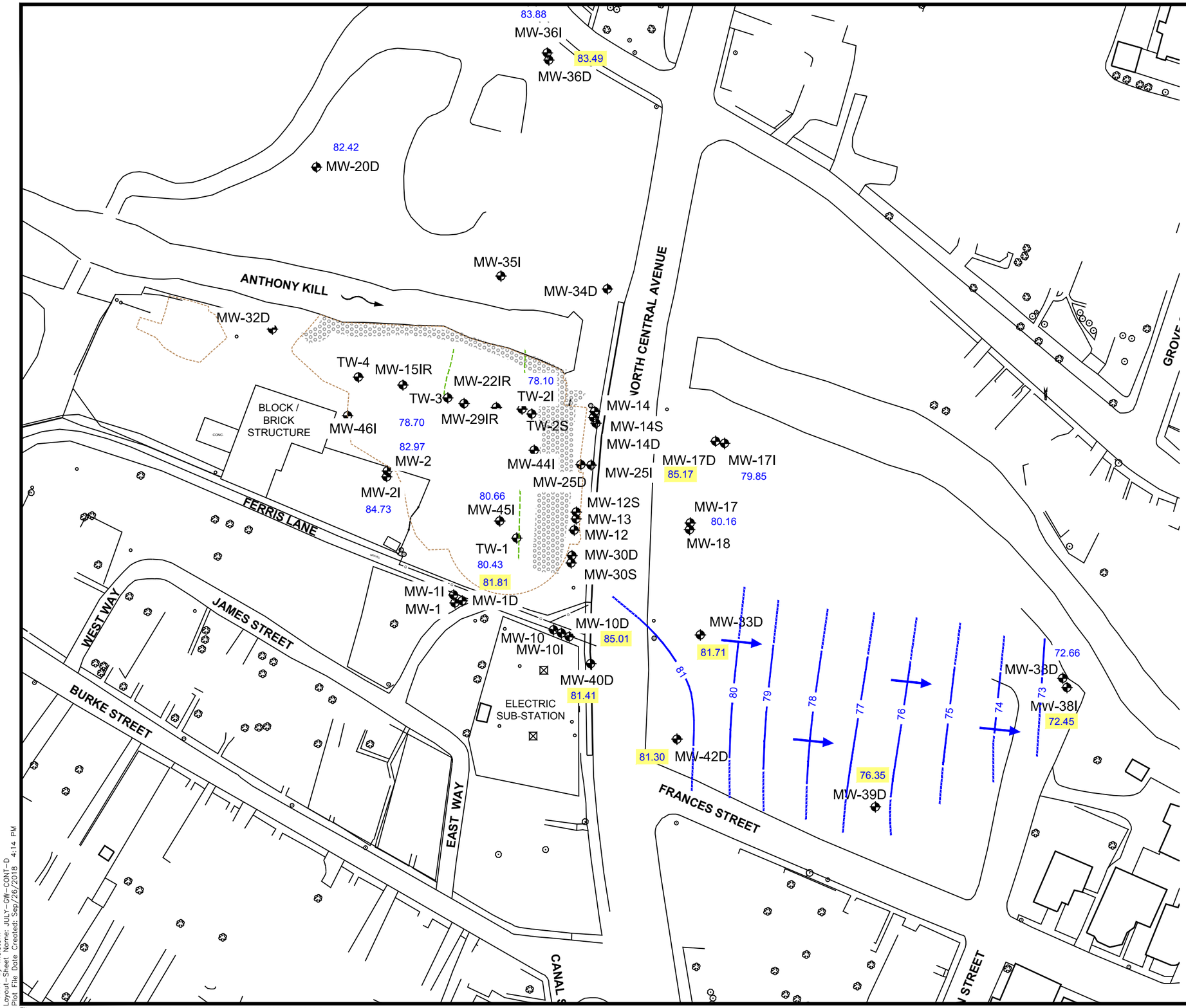

LEGEND

MW-44I	MONITORING WELL LOCATION
78.90	GROUNDWATER ELEVATION (JULY 2017)
82	GROUNDWATER CONTOUR - 1 FT. INTERVAL (JULY 2017 - DASHED WHERE INFERED)
	GENERAL GROUNDWATER FLOW DIRECTION
	APPROXIMATE LOCATION OF FRACTURES
	EXTENT OF 2009 SOIL REMOVAL

NOTE: HIGHLIGHTED VALUE USED FOR CONTOUR CREATION

AECOM

GROUNDWATER CONTOURS
DEEP ZONE
JULY 2017

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	9 / 2018	3B

Plotted By: meisterk
Layout-Sheet Name: JULY-GW-CONT-D
Plot File Date Created: Sep/26/2018 4:14 PM

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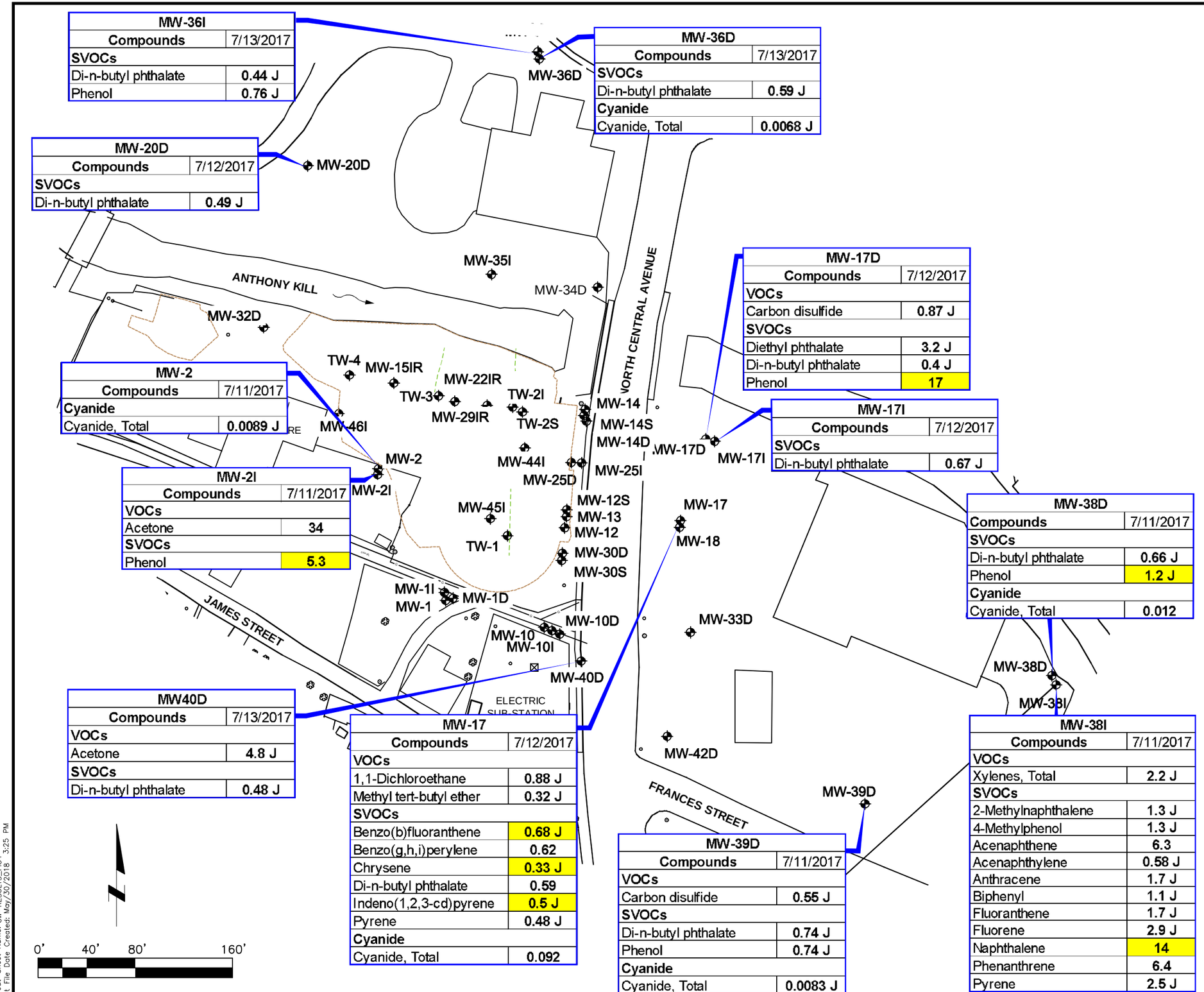

STANDARD/GUIDANCE VALUES

Compound	AWQS/GV
VOCs	
1,1-Dichloroethane	5
Acetone	50 (GV)
Carbon disulfide	60 (GV)
Methyl tert-butyl ether	10 (GV)
Xylenes, Total	5
SVOCs	
2-Methylnaphthalene	NS
4-Methylphenol	NS
Acenaphthene	20
Acenaphthylene	NS
Anthracene	50 (GV)
Benzo(b)fluoranthene	0.002 (GV)
Benzo(g,h,i)perylene	NS
Chrysene	0.002
Biphenyl	5
Diethyl phthalate	50 (GV)
Di-n-butyl phthalate	50
Fluoranthene	50 (GV)
Fluorene	50 (GV)
Indeno(1,2,3-cd)pyrene	0.002 (GV)
Naphthalene	10 (GV)
Phenanthrene	50 (GV)
Pyrene	50 (GV)
Phenol	1
Cyanide	
Cyanide, Total	200

NOTES

1. AWQS / GV VALUES - NYS AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES (TOGS 1.1.1)
2. = COMPOUNDS THAT EXCEED AWQS / GV
3. NS = NO STANDARD
4. J = ESTIMATED CONCENTRATION
5. UNITS IN ug / L

LEGEND

MW-44I — MONITORING WELL LOCATION

APPROXIMATE LOCATION OF FRACTURES

EXTENT OF 2009 SOIL REMOVAL

AECOM

GROUNDWATER SAMPLING RESULTS
JUNE 2017

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	05/2018	4

Plotted By: FosterC2
Layout-Sheet Name: GW-RESULTS_FIG4
Plot File Date Created: May/30/2018 3:25 PM

Filename: L:\WORK\60546118 MECHANICVILLE\2017 MONITORING REPORT\FIGURES\94560-MONITORING-JUNE-2017.DWG

TABLES

Table 2 - Summary of Bi-Annual Groundwater Measurements
Former NYSEG Mechanicville Central Avenue MGP Site
Mechanicville, New York

June/July 2017			
Well	Elevation of Top of Casing	Depth to Water (ft)	Elevation of Water
MW-1D	90.46	8.65	81.81
MW-2	88.75	5.78	82.97
MW-2I	88.75	4.02	84.73
MW-10D	92.73	7.72	85.01
MW-17	93.53	13.37	80.16
MW-17I	93.10	13.25	79.85
MW-17D	93.29	8.12	85.17
MW-20D	96.37	13.95	82.42
MW-33D	93.83	13.12	80.71
MW-34D	93.67	Decomissioned	NM
MW-35I	80.43	Can't find	NM
MW-36I	94.20	10.32	83.88
MW-36D	94.22	10.73	83.49
MW-38D	78.64	5.98	72.66
MW-38I	78.66	6.21	72.45
MW-39D	91.90	15.55	76.35
MW-40D	93.95	12.54	81.41
MW-42D	93.45	12.15	81.30
MW-44I	87.37	Inaccessible	NM
MW-45I	88.83	8.17	80.66
TW-1	89.33	8.90	80.43
TW-2I	87.00	8.90	78.10
TW-3	87.15	8.45	78.70

Notes:
1) NM - Not Measured
2) OBS - Obstruction in well

Table 3
Detected VOCs in Groundwater
July 2017 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Well			MW-2	MW-2I	MW-38I	MW-38D	MW-39D	MW-17	MW-17I	MW-17D	MW-20D	TRIP BLANK
Sample ID			480-120981-1	480-120981-2	480-120981-3	480-120981-4	480-120981-5	480-120981-6	480-120981-7	480-120981-8	480-120981-9	480-120981-10
Sampling Date			7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/12/2017	7/12/2017	7/12/2017	7/12/2017	7/12/2017
Volatiles	**CAS #**	**AWQS/GV Values**										
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	0.88 J	ND	ND	ND	ND
Acetone	67-64-1	50 (GV)	ND	34	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND	0.55	ND	ND	0.87 J	ND	ND
Methyl tert-butyl ether			ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND
Xylenes, Total	Xylenes	5	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND
Total VOCs				34	2.2		0.55	1.2		0.87		

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in bold font. Shaded cell indicates exceedances of AWQS/GV.

Table 4
Detected SVOCs in Groundwater
July 2017 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Well Sample ID Sampling Date			MW-2 480-120981-1 7/11/2017	MW-2I 480-120981-2 7/11/2017	MW-38I 480-120981-3 7/11/2017	MW-38D 480-120981-4 7/11/2017	MW-39D 480-120981-5 7/11/2017	MW-17 480-120981-6 7/12/2017	MW-17I 480-120981-7 7/12/2017	MW-17D 480-120981-8 7/12/2017	MW-20D 480-120981-9 7/12/2017
Semivolatiles	**CAS #**	**AWQS/GV Values**									
2-Methylnaphthalene	91-57-6	NS	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
4-Methylphenol			ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
Acenaphthene	83-32-9	20	ND	ND	6.3	ND	ND	ND	ND	ND	ND
Acenaphthylene	208-96-8	NS	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND
Anthracene	120-12-7	50 (GV)	ND	ND	1.7 J	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	0.002 (GV)	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND
Benzo(g,h,i)perylene	191-24-2	NS	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND
Biphenyl	92-52-4	5	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND
Chrysene	218-01-9	0.002	ND	ND	ND	ND	ND	0.33 J	ND	ND	ND
Diethyl phthalate	84-66-2	50 (GV)	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND
Di-n-butyl phthalate			ND	ND	ND	0.66 J	0.74 J	0.59 J	0.67 J	0.4 J	0.49 J
Fluoranthene	206-44-0	50 (GV)	ND	ND	1.7 J	ND	ND	ND	ND	ND	ND
Fluorene	86-73-7	50 (GV)	ND	ND	2.9 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	0.002 (GV)	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
Naphthalene	91-20-3	10 (GV)	ND	ND	14	ND	ND	ND	ND	ND	ND
Phenanthrene	85-01-8	50 (GV)	ND	ND	6.4	ND	ND	ND	ND	ND	ND
Phenol			ND	5.3	ND	1.2 J	0.74 J	ND	ND	17	ND
Pyrene	129-00-0	50 (GV)	ND	ND	2.5 J	ND	ND	0.48 J	ND	ND	ND
Total SVOCs				5.3	39.78	1.86	1.48	3.2	0.67	20.6	0.49

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in bold font. Shaded cell indicates exceedances of AWQS/GV.

Table 5
Cyanide in Groundwater
July 2017 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Sample ID			MW-2	MW-2I	MW-38I	MW-38D	MW-39D	MW-17	MW-17I	MW-17D	MW-20D
Lab Sample Number			480-120981-1	480-120981-2	480-120981-3	480-120981-4	480-120981-5	480-120981-6	480-120981-7	480-120981-8	480-120981-9
Sampling Date			7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/12/2017	7/12/2017	7/12/2017	7/12/2017
	CAS #	AWQS/GV Value									
Cyanide, Total - mg/L	57-12-5	200	0.0089 J	ND	ND	0.012	0.0083 J	0.092	ND	ND	ND

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in bold font. Shaded cell indicates exceedances of AWQS/GV.

ATTACHMENT 1
WELL PURGING AND SAMPLING FORMS

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-2 Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-2 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic, Low Flow

1. L = Total Well Depth:	19.00	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	5.78	feet
4. C = Column of Water in Casing:	8.22	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.34	gal
6. D2 = Pump Setting Depth (ft):	11.5	feet
7. C2 = Column of water in Pump/Tubing (ft):	—	feet
8. Tubing Volume = C2(0.005737088)	—	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings						
Time	24 hr	0906	0911	0916	0921	0926	0931	0936
Water Level (0.33)	feet	6.18	6.30	6.41	6.50	6.60	6.70	6.83
Volume Purged	gal	0	0.15	0.35	0.6	0.8	0.95	1.15
Flow Rate	mL / min	120	120	130	135	135	135	150
Turbidity (+/- 10%)	NTU	85.2	67.8	27.2	13.9	8.81	7.89	6.32
Dissolved Oxygen (+/- 10%)	%	10.5	6.0	5.5	4.6	4.2	3.6	3.3
Dissolved Oxygen (+/- 10%)	mg/L	0.96	0.55	0.51	0.44	0.39	0.33	.30
Eh / ORP (+/- 10)	MeV	99.2	98.3	95.2	95.1	95.1	96.9	97.1
Specific Conductivity	mS/cm[c]	1.203	1.185	1.172	1.158	1.142	1.133	1.137
Conductivity (+/- 3%)	mS/cm	1.070	1.050	1.036	1.024	1.011	1.001	1.002
pH (+/- 0.1)	pH unit	7.15	7.08	7.06	7.05	7.04	7.01	6.96
Temp (+/- 0.5)	C	19.26	19.04	18.92	18.93	18.99	18.93	18.81
Color	Visual	Cloudy	Cloudy	Clearing	Clear	Clear	Clear	Clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 0901

Sample Time: 1006

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-2 Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-2 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, (Peristaltic) Low Flow

1. L = Total Well Depth:	14.00	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	5.78	feet
4. C = Column of Water in Casing:	8.22	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.34	gal
6. D2 = Pump Setting Depth (ft):	11.5	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	941	946	951	956	1001	1006
Water Level (0.33)	feet	~~5.85~~ 6.82	6.64	6.59	6.57	6.57	6.57
Volume Purged	gal	1.3	1.5	1.6	1.7	1.8	1.9
Flow Rate	mL / min	90	90	90	90	90	90
Turbidity (+/- 10%)	NTU	5.97	5.76	5.21	4.43	3.45	2.85
Dissolved Oxygen (+/- 10%)	%	3.1	3.0	3.6	3.3	3.3	3.2
Dissolved Oxygen (+/- 10%)	mg/L	0.29	0.28	0.33	0.30	0.29	0.29
Eh / ORP (+/- 10)	MeV	96.9	98.2	100.7	101.3	101.4	100.1
Specific Conductivity	mS/cm[c]	1.138	1.141	1.145	1.154	1.164	1.171
Conductivity (+/- 3%)	mS/cm	1.004	1.020	1.029	1.034	1.042	1.047
pH (+/- 0.1)	pH unit	6.96	6.97	6.93	6.92	6.91	6.92
Temp (+/- 0.5)	C	18.81	19.29	19.73	19.59	19.51	19.42
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 0901

Sample Time: 1006

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-2I Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-2I 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump (Peristaltic) Low Flow

1. L = Total Well Depth:	32.11	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	4.02	feet
4. C = Column of Water in Casing:	28.09	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	42.14	gal
6. D2 = Pump Setting Depth (ft):	29.6	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	1048	1053	1058	1103	1108	1113	1118
Water Level (0.33)	feet	4.26	4.39	4.48	4.55	4.65	4.74	4.89
Volume Purged	gal	0	0.3	0.55	0.65	0.8	0.95	1.1
Flow Rate	mL / min	140	110	115	115	110	115	115
Turbidity (+/- 10%)	NTU	8.05	4.72	4.08	4.37	4.14	4.35	4.33
Dissolved Oxygen (+/- 10%)	%	15.5	7.6	4.6	3.9	3.2	3.1	2.9
Dissolved Oxygen (+/- 10%)	mg/L	1.44	0.71	0.42	0.36	0.30	0.29	0.27
Eh / ORP (+/- 10)	MeV	-109.4	-113.7	-116.2	-118.0	-117.3	-117.8	-115.7
Specific Conductivity	mS/cm^c	0.927	0.948	0.963	0.965	0.968	0.965	0.964
Conductivity (+/- 3%)	mS/cm	0.816	0.835	0.856	0.856	0.850	0.897	0.851
pH (+/- 0.1)	pH unit	10.14	10.24	10.30	10.30	10.29	10.30	10.25
Temp (+/- 0.5)	C	18.71	19.04	19.15	18.89	18.62	18.56	18.53
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	sl. Met.	sl. Met.	sl. Met.	sl. Met.	sl. Met.	sl. Met.

Comments

Purge Start Time: 1044

Sample Time: ~~1048~~ 1148

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-2I Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-2I 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic, Low Flow

1. L = Total Well Depth:	32.11	feet
2. D = Riser Diameter (I.D.):	0.50	feet
3. W = Static Depth to Water (TOC):	4.02	feet
4. C = Column of Water in Casing:	28.09	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	42.14	gal
6. D2 = Pump Setting Depth (ft):	29.6	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings					
Time	24 hr	1123	1128	1133	1138	1143	1148
Water Level (0.33)	feet	4.96	5.03	5.11	5.20	5.27	5.35
Volume Purged	gal	1.25	1.4	1.55	1.7	1.8	1.9
Flow Rate	mL / min	115	120	120	120	110	110
Turbidity (+/- 10%)	NTU	3.55	4.04	4.58	3.81	4.02	4.60
Dissolved Oxygen (+/- 10%)	%	2.7	2.6	2.7	2.8	2.7	2.6
Dissolved Oxygen (+/- 10%)	mg/L	0.25	0.24	0.25	0.26	0.25	0.24
Eh / ORP (+/- 10)	MeV	-120.5	~~-129.8~~ -124.8	-118.0	-120.0	-115.7	-124.5
Specific Conductivity	mS/cm[c]	0.966	0.967	0.965	0.966	0.967	0.969
Conductivity (+/- 3%)	mS/cm	0.858	0.851	0.856	0.861	0.862	0.863
pH (+/- 0.1)	pH unit	10.28	10.29	10.26	10.27	10.31	10.30
Temp (+/- 0.5)	C	18.81	18.71	18.12	19.30	19.30	19.24
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Sl. Met.	Sl. Met.	Sl Met.	Sl. Met.	Sl. Met	Sl. Met.

Comments

Purge Start Time: 1044

Sample Time: 1148

Purged for 1 hour without reaching Stabilization

Sampled @ 1148

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-17 Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-17 071217 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump/Peristaltic/Low Flow

1. L = Total Well Depth:	21.63	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	13.37	feet
4. C = Column of Water in Casing:	8.26	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.35	gal
6. D2 = Pump Setting Depth (ft):	19.1	feet
7. C2 = Column of water in Pump/Tubing (ft):	—	feet
8. Tubing Volume = C2(0.005737088)	—	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	0930	0935	0940	0945	0950	0955	1000
Water Level (0.33)	feet	13.79	13.88	13.90	13.91	13.91	13.94	13.91
Volume Purged	gal	0	0.2	0.4	0.55	0.65	0.8	0.95
Flow Rate	mL / min	115	115	115	110	100	125	110
Turbidity (+/- 10%)	NTU	419	233	210	185	186	140	119
Dissolved Oxygen (+/- 10%)	%	12.2	6.9	5.3	4.5	4.1	3.8	3.7
Dissolved Oxygen (+/- 10%)	mg/L	1.12	0.64	0.49	0.42	0.39	0.36	0.35
Eh / ORP (+/- 10)	MeV	33.5	29.9	26.7	22.1	19.9	19.6	20.4
Specific Conductivity	mS/cm[c]	2.311	2.289	2.283	2.286	2.282	2.281	2.277
Conductivity (+/- 3%)	mS/cm	2.056	2.012	1.998	1.997	1.994	1.992	1.995
pH (+/- 0.1)	pH unit	6.61	6.65	6.70	6.75	6.75	6.77	6.78
Temp (+/- 0.5)	C	19.26	18.68	18.46	18.36	18.16	18.36	18.50
Color	Visual	Brown	Brown	light Brown	very cloudy	very cloudy	cloudy	cloudy
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 0925

Sample Time: 1020

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-17 Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-17 071217 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump / Peristaltic / Low Flow

1. L = Total Well Depth: (See Prev.) feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
~~2-inch~~	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	1005	1010	1015	1020			
Water Level (0.33)	feet	13.86	13.86	13.86	13.86			
Volume Purged	gal	1.1	1.25	1.35	1.5			
Flow Rate	mL / min	100	110	110	110			
Turbidity (+/- 10%)	NTU	102	82.1	80.3	74.3			
Dissolved Oxygen (+/- 10%)	%	3.8	4.0	4.1	4.0			
Dissolved Oxygen (+/- 10%)	mg/L	0.35	0.37	0.38	0.37			
Eh / ORP (+/- 10)	MeV	22.0	25.8	28.6	29.4			
Specific Conductivity	mS/cm[c]	2.289	2.281	2.287	2.291			
Conductivity (+/- 3%)	mS/cm	2.001	2.028	2.036	2.032			
pH (+/- 0.1)	pH unit	6.77	6.74	6.72	6.71			
Temp (+/- 0.5)	C	18.94	~~19.21~~	19.17	19.10			
Color	Visual	cloudy	cloudy	cloudy	cloudy			
Odor	Olfactory	none	none	none	none			

Comments

Purge Start Time: 0925

Sample Time: 1020

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-17D Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-17D 071217 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth:	138.45	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	8.12	feet
4. C = Column of Water in Casing:	130.33	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	21.24	gal
6. D2 = Pump Setting Depth (ft):	136'	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings						
Time	24 hr	1259	1304	1309	1314	1319	1324	1329
Water Level (0.33) *	feet	9.33	9.46	9.53	9.59	9.75	9.85	9.95
Volume Purged	gal	0	0.4	0.5	0.55	0.8	0.95	1.05
Flow Rate	mL / min	135	130	90	30	130	80	100
Turbidity (+/- 10%)	NTU	98.7	26.3	24.7	25.4	46.8	149	206
Dissolved Oxygen (+/- 10%)	%	23.4	11.8	11.1	8.1	4.4	3.2	2.2
Dissolved Oxygen (+/- 10%)	mg/L	2.19	1.05	0.97	0.69	0.40	0.27	0.19
Eh / ORP (+/- 10)	MeV	27.1	16.8	-6.0	-44.6	-75.4	-78.4	-77.4
Specific Conductivity	mS/cm[c]	0.810	0.806	0.809	0.814	0.836	~~0.721~~ 1.010	
Conductivity (+/- 3%)	mS/cm	0.725	0.736	0.756	0.784	0.776	0.856	0.954
pH (+/- 0.1)	pH unit	7.99	7.98	7.58	7.74	8.52	9.21	9.31
Temp (+/- 0.5)	C	19.94	20.53	21.59	23.19	21.15	21.26	22.12
Color	Visual	cloudy	clear	clear	clear	cloudy	cloudy	Tan
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1258

Sample Time: 1359

* water level taken from rim of ~~flush~~ flushmount casing not PVC riser. PVC riser ~~stick~~ ~2' below ground surface.

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-170 Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-170 071217 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth: (See Prev.) feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings					
Time	24 hr	1334	1339	1344	1349	1354	1359
Water Level (0.33)*	feet	10.04	10.15	10.24	10.33	10.41	10.49
Volume Purged	gal	1.25	1.4	1.5	1.6	1.75	1.9
Flow Rate	mL / min	80	110	100	100	120	130
Turbidity (+/- 10%)	NTU	290	270	277	262	267	271
Dissolved Oxygen (+/- 10%)	%	1.7	1.4	0.9	0.9	1.1	0.8
Dissolved Oxygen (+/- 10%)	mg/L	0.15	0.12	0.09	0.08	0.09	0.07
Eh / ORP (+/- 10)	MeV	-87.0	-89.9	-87.6	-89.3	-89.3	-91.6
Specific Conductivity	mS/cm^c	1.052	1.101	1.102	1.112	1.136	1.144
Conductivity (+/- 3%)	mS/cm	1.000	1.022	1.094	1.060	1.069	1.065
pH (+/- 0.1)	pH unit	9.56	9.59	9.57	9.65	9.67	9.68
Temp (+/- 0.5)	C	22.42	21.22	22.11	22.53	21.85	22.07
Color	Visual	Tan	Tan	tan	tan	tan	tan
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 1258
Sample Time: 1359

Purged for 1 hour without reaching Stabilization.
Sampled @ 1359

* See prev. page.

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-17I Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-17I 071217 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump/ Peristaltic/Low Flow

1. L = Total Well Depth:	45.00	feet
2. D = Riser Diameter (I.D.):	0.50	feet
3. W = Static Depth to Water (TOC):	13.25	feet
4. C = Column of Water in Casing:	31.75	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	47.63	gal
6. D2 = Pump Setting Depth (ft):	42.5	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
~~4-inch~~	~~0.33~~
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2140Q

Parameter	Units	Readings						
Time	24 hr	1135	1140	1145	1150	1155	1200	1205
Water Level (0.33)	feet	14.37	14.46	14.53	14.65	14.77	14.84	15.00
Volume Purged	gal	0	0.3	0.5	0.6	0.75	.95	1.1
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	133	135	189	318	214	162	153
Dissolved Oxygen (+/- 10%)	%	49.3	32.1	30.4	21.5	15.6	15.7	15.8
Dissolved Oxygen (+/- 10%)	mg/L	4.50	2.91	2.69	2.81	1.47	1.43	1.42
Eh / ORP (+/- 10)	MeV	-123.1	-84.0	-43.2	-119.9	-111.5	-83.4	~~-78~~ -77.4
Specific Conductivity	mS/cm^c	1.508	1.533	1.542	1.551	1.542	1.547	1.541
Conductivity (+/- 3%)	mS/cm	1.396	1.383	1.430	1.342	1.335	1.383	1.422
pH (+/- 0.1)	pH unit	7.93	7.75	7.68	7.80	7.72	7.60	7.64
Temp (+/- 0.5)	C	19.17	19.96	21.27	17.92	17.97	19.52	20.73
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1134

Sample Time: 1235

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-17I Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-17I 071217 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump) Peristaltic/Low Flow

1. L = Total Well Depth:	45.00	feet
2. D = Riser Diameter (I.D.):	0.50	feet
3. W = Static Depth to Water (TOC):	13.25	feet
4. C = Column of Water in Casing:	31.75	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	47.63	gal
6. D2 = Pump Setting Depth (ft):	42.5	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
(6-inch)	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	(6-inch)
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	1210	1215	1220	1225	1230	1235
Water Level (0.33)	feet	15.12	15.20	15.25	15.39	15.66	15.84
Volume Purged	gal	1.3	1.5	1.6	1.8	2.2	2.5
Flow Rate	mL / min	180	180	180	210	180	180
Turbidity (+/- 10%)	NTU	119	112	113	108	14	105
Dissolved Oxygen (+/- 10%)	%	11.8	11.1	11.5	13.1	12.4	7.9
Dissolved Oxygen (+/- 10%)	mg/L	1.13	1.03	1.06	1.20	1.17	0.76
Eh / ORP (+/- 10)	MeV	-155.8	-102.2	-90.3	-119.2	-156.7	-171.9
Specific Conductivity	mS/cm^c	1.542	1.544	1.547	1.564	1.547	1.539
Conductivity (+/- 3%)	mS/cm	1.321	1.353	1.391	1.383	1.354	1.305
pH (+/- 0.1)	pH unit	7.8	7.65	7.62	7.71	7.89	7.90
Temp (+/- 0.5)	C	17.52	18.56	19.80	18.81	18.15	17.11
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 1134

Sample Time: 1235

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-20D Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-20D 071217 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump,) Peristaltic/Low Flow

1. L = Total Well Depth:	111.79	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	13.95	feet
4. C = Column of Water in Casing:	97.84	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	63.6	gal
6. D2 = Pump Setting Depth (ft):	109.3	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
(4-inch)	(0.33)
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	(4-inch)	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	(0.65)	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	1522	1527	1532	1537	1542	1547	1552
Water Level (0.33)*	feet	16.41	16.59	16.76	16.89	17.07	17.31	17.50
Volume Purged	gal	0	0.35	0.5	0.6	0.65	0.85	0.95
Flow Rate	mL / min	180	90	100	100	70	130	100
Turbidity (+/- 10%)	NTU	41.6	30.7	31.4	30.5	52.7	55.5	50.1
Dissolved Oxygen (+/- 10%)	%	37.7	19.4	19.9	20.2	18.8	16.4	13.8
Dissolved Oxygen (+/- 10%)	mg/L	3.92	1.95	1.96	1.99	1.85	1.63	1.38
Eh / ORP (+/- 10)	MeV	-25.8	-3.8	-11.2	-16.1	-24.4	-31.8	-38.8
Specific Conductivity	mS/cm[c]	0.760	0.761	0.767	0.776	0.794	0.808	0.804
Conductivity (+/- 3%)	mS/cm	0.592	0.616	0.632	0.645	0.657	0.657	0.656
pH (+/- 0.1)	pH unit	9.30	9.38	9.46	9.49	9.46	9.35	9.30
Temp (+/- 0.5)	C	13.48	15.17	15.68	+5 16.15	15.96	15.21	15.41
Color	Visual	Clear	Clear	Clear	Clear	Clear	Cloudy	Cloudy
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1520

Sample Time: 1622

* Water level measured from protective casing. Riser was set several feet below top of protective casing.

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-20D Date: 7/12/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-20D 071217 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump) Peristaltic/Low Flow

1. L = Total Well Depth:	(See prev.)	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Static Depth to Water (TOC):		feet
4. C = Column of Water in Casing:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. D2 = Pump Setting Depth (ft):		feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	1557	1602	1607	1612	1617	1622
Water Level (0.33)*	feet	17.72	17.91	18.17	18.43	18.98	19.13
Volume Purged	gal	1.1	1.2	1.5	1.65	1.9	2.1
Flow Rate	mL / min	110	100	100	120	100	100
Turbidity (+/- 10%)	NTU	80.3	76.7	70.5	72.5	61.6	61.7
Dissolved Oxygen (+/- 10%)	%	13.8	12.4	12.5	10.9	8.8	7.2
Dissolved Oxygen (+/- 10%)	mg/L	1.37	1.24	1.25	1.11	.90	.74
Eh / ORP (+/- 10)	MeV	-44.5	-48.7	-52.8	-56.3	-55.9	-55.7
Specific Conductivity	mS/cm[c]	0.811	0.809	.813	.819	.812	.809
Conductivity (+/- 3%)	mS/cm	0.664	0.661	.662	.651	.642	.638
pH (+/- 0.1)	pH unit	9.28	9.25	9.27	9.25	9.17	9.13
Temp (+/- 0.5)	C	15.50	15.43	15.22	14.26	14.04	13.96
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 1520

Sample Time: 1622

* See previous page

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-36D Date: 7/13/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-36D 071317 QA/QC Collected? ~~No~~ Dup-1 071317

Purging / Sampling Method: Grundfos Pump, Peristaltic, Low Flow

1. L = Total Well Depth:	>150'	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	10.73	feet
4. C = Column of Water in Casing:	139.27	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	90.53	gal
6. D2 = Pump Setting Depth (ft): (~2.5' off of Bottom)	~160'	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	1024	1029	1034	1039	1044	1049	1054
Water Level (0.33)	feet	11.19	11.39	11.63	11.93	12.19	12.38	12.67
Volume Purged	gal	0	0.15	0.45	0.65	0.80	1.0	1.15
Flow Rate	mL / min	120	120	135	135	135	135	130
Turbidity (+/- 10%)	NTU	14.5	8.27	4.98	5.03	4.97	5.2	4.32
Dissolved Oxygen (+/- 10%)	%	98.3	14.7	6.8	4.6	4.3	3.9	3.5
Dissolved Oxygen (+/- 10%)	mg/L	4.61	1.38	0.65	0.44	0.41	0.37	.33
Eh / ORP (+/- 10)	MeV	74.1	42.4	21.4	-0.8	0.2	-9.5	-15.5
Specific Conductivity	mS/cm[c]	1.114	1.189	1.217	1.227	1.224	1.223	1.221
Conductivity (+/- 3%)	mS/cm	0.956	1.013	1.040	1.038	1.037	1.038	1.032
pH (+/- 0.1)	pH unit	8.12	7.88	7.81	7.79	7.75	7.84	7.86
Temp (+/- 0.5)	C	17.51	17.23	17.29	16.94	16.99	17.12	16.90
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1019

Sample Time: 1124

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-36D Date: 7/17/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-36D 071317 QA/QC Collected? Dup-1 071317

Purging / Sampling Method: Grundfos Pump, (Peristaltic) Low Flow

1. L = Total Well Depth:	>150	feet
2. D = Riser Diameter (I.D.):	.33	feet
3. W = Static Depth to Water (TOC):	10.73	feet
4. C = Column of Water in Casing:	139.27	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	90.53	gal
6. D2 = Pump Setting Depth (ft): (~2.5' off bottom)	~160	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	1059	1104	1109	1114	1119	1124
Water Level (0.33)	feet	12.92	13.12	13.34	13.50	13.64	13.74
Volume Purged	gal	1.4	1.5	1.6	1.75	1.9	2.0
Flow Rate	mL / min	130	130	140	140	140	140
Turbidity (+/- 10%)	NTU	5.56	7.31	3.95	3.88	2.83	3.55
Dissolved Oxygen (+/- 10%)	%	3.1	3.0	2.8	2.8	2.9	3.0
Dissolved Oxygen (+/- 10%)	mg/L	0.3	0.29	0.27	0.26	0.27	.28
Eh / ORP (+/- 10)	MeV	-28.2	-30.7	-32.0	-26.3	-23.9	-39.7
Specific Conductivity	mS/cm^c	1.219	1.216	1.215	1.209	1.210	1.211
Conductivity (+/- 3%)	mS/cm	1.027	1.026	1.022	1.038	1.049	1.049
pH (+/- 0.1)	pH unit	7.95	7.96	7.94	7.93	7.98	8.04
Temp (+/- 0.5)	C	16.76	16.82	16.70	17.63	18.03	17.96
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 1019

Sample Time: 1124

Purged for 1 hour without reaching Stabilization Sampled @ 1124.

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-36I Date: 7/13/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-36I 071317 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump) Peristaltic/Low Flow

1. L = Total Well Depth:	45.05	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	10.32	feet
4. C = Column of Water in Casing:	34.73	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	22.57	gal
6. D2 = Pump Setting Depth (ft):	42.5	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	~~0.25~~
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	0900	0905	0910	0915	0920	0925	0930
Water Level (0.33)	feet	10.47	10.72	10.93	11.25	11.42	11.72	11.96
Volume Purged	gal	0	0.2	0.4	0.6	0.7	0.95	1.1
Flow Rate	mL / min	150	110	130	150	100	160	110
Turbidity (+/- 10%)	NTU	36.2	27.9	25.4	22.9	22.5	25.1	22.6
Dissolved Oxygen (+/- 10%)	%	29.4	10.9	12.4	7.7	5.2	4.3	3.3
Dissolved Oxygen (+/- 10%)	mg/L	2.82	1.07	1.23	0.76	0.51	0.42	0.33
Eh / ORP (+/- 10)	MeV	86.9	73.2	69.6	74.6	66.9	57.3	53.8
Specific Conductivity	mS/cm[c]	1.076	1.070	1.071	1.073	1.076	1.075	1.074
Conductivity (+/- 3%)	mS/cm	0.886	0.874	0.881	0.886	0.886	0.882	0.887
pH (+/- 0.1)	pH unit	7.75	7.78	7.89	7.93	7.95	7.97	7.97
Temp (+/- 0.5)	C	15.64	15.45	15.73	15.89	15.81	15.58	15.89
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 0855

Sample Time: 1000

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-36I Date: 7/13/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-36I 071317 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth: (See prev.) feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	0935	0940	0945	0950	0955	1000	
Water Level (0.33)	feet	12.26	12.58	12.81	13.09	13.46	13.70	
Volume Purged	gal	1.25	1.5	1.65	1.8	2.1	2.2	
Flow Rate	mL / min	120	150	110	125	180	100	
Turbidity (+/- 10%)	NTU	22.9	24.6	22.9	25.4	26.6	25.6	
Dissolved Oxygen (+/- 10%)	%	3.5	3.0	2.7	3.1	2.4	2.2	
Dissolved Oxygen (+/- 10%)	mg/L	0.34	~~0.33~~ 0.3	0.27	0.30	0.23	0.22	
Eh / ORP (+/- 10)	MeV	47.1	50.2	47.9	54.7	35.8	38.7	
Specific Conductivity	mS/cm[c]	1.076	1.077	1.077	1.076	1.073	1.076	
Conductivity (+/- 3%)	mS/cm	0.890	0.889	0.865	0.890	0.881	0.900	
pH (+/- 0.1)	pH unit	7.98	7.90	7.86	7.88	7.93	7.98	
Temp (+/- 0.5)	C	15.95	15.87	15.67	15.93	15.65	~~15.93~~ 16.43	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	none	none	none	none	none	none	

Comments

Purge Start Time: 0855

Sample Time: 1000

Purged for 1 hour without reaching stabilization
Sampled @ 1000

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-38 D Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-38 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth:	>150	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	5.98	feet
4. C = Column of Water in Casing:	144.02	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	93.61	gal
6. D2 = Pump Setting Depth (ft):	~155'	feet
7. C2 = Column of water in Pump/Tubing (ft):	-	feet
8. Tubing Volume = C2(0.005737088)	-	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
~~3-inch~~	~~0.25~~
4-inch	0.33
~~6-inch~~	~~0.50~~

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings						
Time	24 hr	1432	1437	1442	1447	1452	1457	1502
Water Level (0.33)	feet	6.13	6.13	6.12	6.12	6.12	6.12	6.12
Volume Purged	gal	0	0.6	0.8	1.1	1.35	1.6	1.85
Flow Rate	mL / min	350	180	180	190	190	190	190
Turbidity (+/- 10%)	NTU	15.9	6.89	5.38	2.61	2.59	2.21	3.09
Dissolved Oxygen (+/- 10%)	%	69.9	68.9	54.1	50.4	46.9	45.7	43.6
Dissolved Oxygen (+/- 10%)	mg/L	5.76	6.27	4.83	4.43	4.09	3.96	3.74
Eh / ORP (+/- 10)	MeV	40.2	52.0	50.5	30.0	25.6	18.6	15.9
Specific Conductivity	mS/cm[c]	1.089	0.815	0.727	0.722	0.720	0.719	0.717
Conductivity (+/- 3%)	mS/cm	1.109	0.732	0.671	0.677	0.680	0.683	0.687
pH (+/- 0.1)	pH unit	7.92	7.74	7.68	7.65	7.61	7.58	7.54
Temp (+/- 0.5)	C	26.45	19.74	20.89	21.74	22.14	22.41	22.61
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1430

Sample Time: 1502

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-38I Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-38I 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth:	100.61	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	6.21	feet
4. C = Column of Water in Casing:	94.4 ~~0.33~~	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	61.36	gal
6. D2 = Pump Setting Depth (ft):	98' ~~108~~	feet
7. C2 = Column of water in Pump/Tubing (ft):	–	feet
8. Tubing Volume = C2(0.005737088)	–	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
~~6-inch~~	~~0.50~~

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings						
Time	24 hr	1235	1240	1245	1250	1255	1300	1305
Water Level (0.33)	feet	6.29	~~6.05~~ 6.29	6.29	6.29	6.29	6.29	6.30
Volume Purged	gal	*0	0.05	0.1	0.2	0.3	0.4	0.5
Flow Rate	mL / min	15	30	30	40	60	60	60
Turbidity (+/- 10%)	NTU	4.09	3.58	4.76	3.75	3.64	3.97	3.86
Dissolved Oxygen (+/- 10%)	%	13.2	16.2	14.9	15.0	12.1	12.0	12.4
Dissolved Oxygen (+/- 10%)	mg/L	1.21	1.44	1.29	1.28	1.07	1.07	1.11
Eh / ORP (+/- 10)	MeV	-58.9	-45.1	-44.4	-45.2	-66.4	-73.0	-70.7
Specific Conductivity	mS/cm[c]	0.079	0.083	0.090	0.090	~~0.0~~ 0.208	0.399	0.1055
Conductivity (+/- 3%)	mS/cm	0.072	0.077	0.086	0.087	0.194	0.362	0.984
pH (+/- 0.1)	pH unit	8.48	8.30	8.05	7.93	7.68	7.57	7.39
Temp (+/- 0.5)	C	20.39	21.75	22.63	22.85	21.20	20.81	20.80
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Sl. Sulf.	Sl. Sulf.	Sl. Sulf.	Sl. Sulf.	Sl. Sulf.	none	none

Comments

Purge Start Time: 1231

Sample Time: 1335

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-38I Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-38I 071117 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth:	100.61	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	6.21	feet
4. C = Column of Water in Casing:	94.4	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	61.36	gal
6. D2 = Pump Setting Depth (ft):	98'	feet
7. C2 = Column of water in Pump/Tubing (ft):	—	feet
8. Tubing Volume = C2(0.005737088)	—	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2000

Parameter	Units	Readings					
Time	24 hr	1310	1315	1320	1325	1330	1335
Water Level (0.33)	feet	6.30	6.30	6.30	6.45	6.41	6.46
Volume Purged	gal	0.55	0.65	0.7	1.0	1.25	1.85
Flow Rate	mL / min	50	40	20	100	120	180
Turbidity (+/- 10%)	NTU	3.70	3.99	3.54	10.72	15.41	35.41
Dissolved Oxygen (+/- 10%)	%	11.1	11.2	10.9	3.6	2.8	4.9
Dissolved Oxygen (+/- 10%)	mg/L	0.98	0.96	0.94	0.35	0.27	0.49
Eh / ORP (+/- 10)	MeV	-68.1	-64.3	-60.4	-40.7	-34.5	-22.6
Specific Conductivity	mS/cm^c	1.588	1.890	2.036	4.159	4.741	4.916
Conductivity (+/- 3%)	mS/cm	1.470	1.785	1.943	3.401	3.862	3.933
pH (+/- 0.1)	pH unit	7.29	7.23	7.18	6.93	6.86	6.80
Temp (+/- 0.5)	C	21.10	22.03	22.61	15.51	15.01	14.60
Color	Visual	clear	clear	clear	clear	clear	cloudy
Odor	Olfactory	sl. sulf.	sl. sulf.	sl. sulf.	sulf.	sulf.	sulf.

Comments

Purge Start Time: 1231

Sample Time: 1335

Purged for 1 hour without reaching stabilization.
Sampled @ 1335

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-39D Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-39D 071117 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump.) Peristaltic/Low Flow

1. L = Total Well Depth:	144.92	feet
2. D = Riser Diameter (I.D.):	0.33	feet
3. W = Static Depth to Water (TOC):	15.55	feet
4. C = Column of Water in Casing:	129.37	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	84.1	gal
6. D2 = Pump Setting Depth (ft):	142.4	feet
7. C2 = Column of water in Pump/Tubing (ft):	—	feet
8. Tubing Volume = C2(0.005737088)	—	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
(4-inch)	(0.33)
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	(4-inch)	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	(0.65)	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings						
Time	24 hr	1603	1608	1613	1618	1623	1628	1633
Water Level (0.33)	feet	15.40	15.68	15.88	15.99	16.26	16.48	16.72
Volume Purged	gal	0	0.4	0.55	0.65	~~0.~~ 0.75	0.90	1.15
Flow Rate	mL / min	250	165	165	170	165	165	165
Turbidity (+/- 10%)	NTU	17.9	19.1	11.0	~~18.8~~ 18.8	10.4	8.49	8.26
Dissolved Oxygen (+/- 10%)	%	80.7	36.3	26.4	18.6	8.5	6.5	5.7
Dissolved Oxygen (+/- 10%)	mg/L	7.93	3.29	2.33	1.57	0.73	0.57	.52
Eh / ORP (+/- 10)	MeV	95.3	-21.5	-29.3	-55.7	-86.5	-87.1	-87.3
Specific Conductivity	mS/cm[c]	0.932	0.966	.996	1.115	1.224	1.267	1.289
Conductivity (+/- 3%)	mS/cm	0.811	0.876	.916	1.069	1.146	1.172	1.176
pH (+/- 0.1)	pH unit	7.62	7.48	7.44	7.54	7.79	7.85	7.89
Temp (+/- 0.5)	C	18.28	20.09	20.78	22.28	21.63	21.04	20.35
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Sulf.	Sulf.	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur

Comments

Purge Start Time: 1600

Sample Time: 1703

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-39D Date: 7/11/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-39D 071117 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump) Peristaltic/Low Flow

1. L = Total Well Depth:	(See prev.)	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Static Depth to Water (TOC):		feet
4. C = Column of Water in Casing:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. D2 = Pump Setting Depth (ft):		feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
(4-inch)	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	(4-inch)	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	1638	1643	1648	1653	1658	1703
Water Level (0.33)	feet	16.94	17.16	17.28	17.36	17.74	18.08
Volume Purged	gal	1.4	1.5	1.6	1.75	1.95	2.35
Flow Rate	mL / min	165	165	165	165	165	170
Turbidity (+/- 10%)	NTU	6.50	9.50	9.35	5.69	6.9	5.93
Dissolved Oxygen (+/- 10%)	%	5.1	4.8	4.7	4.4	4.6	4.1
Dissolved Oxygen (+/- 10%)	mg/L	.46	.43	.42	.39	.43	.38
Eh / ORP (+/- 10)	MeV	-84.4	-82.6	-88.5	-89.3	-93.2	-88.2
Specific Conductivity	mS/cm[c]	1,284	1,283	1,274	1,268	1,269	1,239
Conductivity (+/- 3%)	mS/cm	1,177	1,197	1,158	1,171	1,100	1,074
pH (+/- 0.1)	pH unit	7.89	7.89	7.87	7.88	7.86	7.82
Temp (+/- 0.5)	C	20.65	20.53	20.26	21.02	17.87	18.03
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur

Comments

Purge Start Time: 1600

Sample Time: 1703

Purged well for 1 hour with no stabilization.

Sampled at 1703

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-40D Date: 7/13/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-40D 071317 QA/QC Collected? No

Purging / Sampling Method: Grundfos Pump, Peristaltic/Low Flow

1. L = Total Well Depth:	>150'	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	12.54	feet
4. C = Column of Water in Casing:	137.46	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	22.41	gal
6. D2 = Pump Setting Depth (ft):	>150'	feet
7. C2 = Column of water in Pump/Tubing (ft):	—	feet
8. Tubing Volume = C2(0.005737088)	—	gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100Q

Parameter	Units	Readings						
Time	24 hr	1217	1222	1227	1232	1237	1242	1247
Water Level (0.33)	feet	13.00	13.95	14.16	14.53	~~14~~ 14.77	14.98	15.14
Volume Purged	gal	0	0.4	0.5	0.6	0.75	0.9	1.1
Flow Rate	mL / min	200	150	100	100	120	120	150
Turbidity (+/- 10%)	NTU	130	89.8	81.3	70.6	51.5	42.7	34.6
Dissolved Oxygen (+/- 10%)	%	88.3	35.4	27.3	16.6	8.8	7.4	6.3
Dissolved Oxygen (+/- 10%)	mg/L	8.51	3.54	2.69	1.64	0.87	0.72	0.61
Eh / ORP (+/- 10)	MeV	62.7	91.1	90.0	85.4	83.0	79.9	78.1
Specific Conductivity	mS/cm[c]	0.318	0.162	0.158	0.148	0.149	0.153	0.154
Conductivity (+/- 3%)	mS/cm	0.260	~~0.132~~ 0.123	0.131	0.122	0.124	0.126	0.129
pH (+/- 0.1)	pH unit	7.65	~~7~~ 6.99	6.95	6.85	6.79	6.74	6.72
Temp (+/- 0.5)	C	15.75	15.33	16.12	15.96	15.98	15.96	16.57
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	~~Cloudy~~ Sl. Cloudy	Sl. Cloudy
Odor	Olfactory	none	none	none	none	none	none	none

Comments

Purge Start Time: 1216

Sample Time: 1317

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: NYSEG Mechanicville

Monitoring Well Number: MW-40D Date: 7/13/2017

Samplers: Chris French & Tom Quackenbush

Sample Number: MW-40D 071317 QA/QC Collected? No

Purging / Sampling Method: (Grundfos Pump) Peristaltic/Low Flow

1. L = Total Well Depth:	(See Prev.)	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Static Depth to Water (TOC):		feet
4. C = Column of Water in Casing:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. D2 = Pump Setting Depth (ft):		feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

D (inches)	D (feet)
1-inch	0.08
1.5-inch	0.125
(2-inch)	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	1.5-inch	(2-inch)	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.092	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 600 XL and ~~Lamotte 2020 WE~~ Hach 2100 Q

Parameter	Units	Readings					
Time	24 hr	1252	1257	1302	1307	1312	1317
Water Level (0.33)	feet	15.36	15.98	15.71	16.06	16.23	16.37
Volume Purged	gal	1.2	1.3	1.5	1.6	1.75	1.9
Flow Rate	mL / min	100	100	150	100	130	110
Turbidity (+/- 10%)	NTU	37.2	36.1	36.8	36.3	42.2	43.2
Dissolved Oxygen (+/- 10%)	%	5.9	5.1	5.1	4.5	4.0	3.9
Dissolved Oxygen (+/- 10%)	mg/L	0.58	0.50	0.51	0.46	0.40	0.39
Eh / ORP (+/- 10)	MeV	75.3	75.6	74.6	73.7	74.9	74.1
Specific Conductivity	mS/cm[c]	0.154	0.153	0.154	0.154	0.154	0.155
Conductivity (+/- 3%)	mS/cm	0.126	0.127	0.126	0.125	0.126	0.127
pH (+/- 0.1)	pH unit	6.63	6.60	6.54	6.51	6.52	6.52
Temp (+/- 0.5)	C	15.62	16.05	15.95	15.27	15.37	15.35
Color	Visual	Sl. Cloudy	Sl. Cloudy	Sl. Cloudy	Sl. Cloudy	Sl. Cloudy	Sl. Cloudy
Odor	Olfactory	none	none	none	none	none	none

Comments

Purge Start Time: 1216

Sample Time: 1317

Purged for 1 hour without reaching stabilization.
Sampled @ 1317

* Three consecutive readings within range indicates stabilization of that parameter.

ATTACHMENT 2
CHAIN OF CUSTODY

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-120981 COC

Client Information	Sampler: Chris French	Lab PM: Deyo, Melissa L	COC No: 480-99714-23732.1
Client Contact: John Santacroce	Phone: 518-860-3855	E-Mail: melissa.deyo@testamericainc.com	Page: Page 1 of 2
Company: AECOM, Inc.			Job #:
Address: 40 British American Blvd	Due Date Requested: STD		
City: Latham	TAT Requested (days): Standard		
State, Zip: NY, 12110			
Phone: 518-951-2200	PO #: 4503928293		
Email: John.Santacroce@aecom.com	WO #: Mechanicville MGP/Tracy L. Blazicek		
Project Name: NYSEG MGP Mechanicville North Central Av	Project #: 48005676		
Site: NYSEG Mechanicville	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOCs	8260C - TCL VOCs	9012B - Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	B		
MW-2 071117	7/11/17	1006	G	Water	N	Y	X	X	X		Extra Volume Collected for MS/MSD
MW-2I 071117		1148		Water		N					
MW-38I 071117		1335		Water							
MW-38 071117		1502		Water							
MW-39D 071117		1703		Water							
MW-17 071217	7/12/17	1020		Water							
MW-17I 071217		1235		Water							
MW-17D 071217		1359		Water							
MW-20D 071217		1622		Water							
Trip Blank	—	—	AQ	Water					X (C.O.C.)		
				Water							

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/12/17 1715	AECOM	[signature]	7-12-17 1715	TA
[signature]	7-12-17 1800		[signature]	7-13-17 0130	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1, 1.2 #1

7/26/2017

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Chris French	Lab PM: Deyo, Melissa L	COC No: 480-99714-23732.2
Client Contact: John Santacroce	Phone: 518-860-3855	E-Mail: melissa.deyo@testamericainc.com	Page: Page 2 of 2
Company: AECOM, Inc.		Analysis Reque	Job #:
Address: 40 British American Blvd	Due Date Requested: STD	480-121054 COC	Preservation Codes:
City: Latham	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12110			
Phone: 518-951-2200	PO #: 4503928293		Other:
Email: John.Santacroce@aecom.com	WO #: Mechanicville MGP/Tracy L. Blazicek		
Project Name: NYSEG MGP Mechanicville North Central Av	Project #: 48005676		
Site: NYSEG Mechanicville	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOCs	8260C - TCL VOCs	9012B - Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	B		
MW-36I 071317	7/13/17	1000	G	Water	N	N	X	X	X	6	
MW-36D 071317		1124		Water							
MW-40D 071317		1317		Water							
Dup-1 071317	↓	—	↓	Water			↓		↓	↓	Duplicate Sample
Trip Blank	—	—	—	Water	↓	↓		↓		2	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Contact AECOM PM

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Chris French	7/13/17 1435	AECOM	Received by: Tim Kroll	7-13-17 1435	TA
Relinquished by: Tim Kroll	7-13-17 1800	TA	Received by: Will	7-14-17 0200	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.9 #1

Chain of Custody Record

480501-Albany

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AMEC FW	Jean Firth / ~~Jean~~ Julie Ricardi	7/13/17	288402
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
511 Congress Str	207-828-3610 / 207-828-3608		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Portland / ME / 04101	Jeny Rawcliffe	Brian Fisher	
Project Name and Location (State)	**Carrier/Waybill Number**		
ALTech API - New York			
Contract/Purchase Order/Quote No.			
C013102625			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Metals Diss.	Special Instructions/ Conditions of Receipt
401003-API-02A	7/13/17	1230		X					2				2	Dissolved Metals (Field Filtered)

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	Jeny Rawcliffe	7/13/17	1345	Test America Amp Box / Tim Kneller	7-13-17	1345
2	Tim Kneller	7-13-17	1805	Will TAB	7/14/17	0200
3						

Comments

0.8 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

ATTACHMENT 3
ANALYTICAL DATA PACKAGE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-120981-1
Client Project/Site: NYSEG - Mechanicville MGP Site

For:
AECOM, Inc.
40 British American Blvd
Latham, New York 12110

Attn: John Santacroce

Authorized for release by:
7/26/2017 4:05:31 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-120981-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-120981-1

Receipt
The samples were received on 7/13/2017 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1º C and 1.2º C.

GC/MS VOA
Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following sample was analyzed after 7 days from sampling: MW-38I 071117 (480-120981-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-368042 recovered outside acceptance criteria, low biased, for Methylcyclohexane, 1,1-Dichloroethene, and Tetrachloroethene. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW-2 071117 (480-120981-1), MW-2I 071117 (480-120981-2), MW-38I 071117 (480-120981-3), MW-38 071117 (480-120981-4) and MW-39D 071117 (480-120981-5).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for and precision analytical batch 480-368042 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-367946 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-2 071117 (480-120981-1).

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS 480-366840/2) recovered within acceptable limits for these analytes and have been qualified with an "E" flag.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-367947 recovered above the upper control limit for 2-Methylphenol and, 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2I 071117 (480-120981-2), MW-38I 071117 (480-120981-3), MW-38 071117 (480-120981-4), MW-39D 071117 (480-120981-5), MW-17 071217 (480-120981-6), MW-17I 071217 (480-120981-7), MW-17D 071217 (480-120981-8) and MW-20D 071217 (480-120981-9).

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

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

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

Detection Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2 071117 — Lab Sample ID: 480-120981-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0089	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-2I 071117 — Lab Sample ID: 480-120981-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	34		10	3.0	ug/L	1		8260C	Total/NA
Phenol	5.3		5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: MW-38I 071117 — Lab Sample ID: 480-120981-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	2.2		2.0	0.66	ug/L	1		8260C	Total/NA
2-Methylnaphthalene	1.3	J	5.0	0.60	ug/L	1		8270D	Total/NA
4-Methylphenol	1.3	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	6.3		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.58	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.7	J	5.0	0.28	ug/L	1		8270D	Total/NA
Biphenyl	1.1	J	5.0	0.65	ug/L	1		8270D	Total/NA
Fluoranthene	1.7	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	2.9	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	14		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	6.4		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	2.5	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-38 071117 — Lab Sample ID: 480-120981-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.66	J	5.0	0.31	ug/L	1		8270D	Total/NA
Phenol	1.2	J	5.0	0.39	ug/L	1		8270D	Total/NA
Cyanide, Total	0.012		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-39D 071117 — Lab Sample ID: 480-120981-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.55	J	1.0	0.19	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.74	J	5.0	0.31	ug/L	1		8270D	Total/NA
Phenol	0.74	J	5.0	0.39	ug/L	1		8270D	Total/NA
Cyanide, Total	0.0083	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-17 071217 — Lab Sample ID: 480-120981-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.88	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.32	J	1.0	0.16	ug/L	1		8260C	Total/NA
Benzo(b)fluoranthene	0.68	J	5.0	0.34	ug/L	1		8270D	Total/NA
Benzo(g,h,i)perylene	0.62	J	5.0	0.35	ug/L	1		8270D	Total/NA
Chrysene	0.33	J	5.0	0.33	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.59	J	5.0	0.31	ug/L	1		8270D	Total/NA
Indeno(1,2,3-cd)pyrene	0.50	J	5.0	0.47	ug/L	1		8270D	Total/NA
Pyrene	0.48	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-17 071217 (Continued) — Lab Sample ID: 480-120981-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.092		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-17I 071217 — Lab Sample ID: 480-120981-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.67	J	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: MW-17D 071217 — Lab Sample ID: 480-120981-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.87	J	1.0	0.19	ug/L	1		8260C	Total/NA
Diethyl phthalate	3.2	J	5.0	0.22	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.40	J	5.0	0.31	ug/L	1		8270D	Total/NA
Phenol	17		5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: MW-20D 071217 — Lab Sample ID: 480-120981-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.49	J	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-120981-10

No Detections.

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2 071117
Date Collected: 07/11/17 10:06
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			07/21/17 16:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 16:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	1.0	0.31	ug/L			07/21/17 16:03	1
1,1,2-Trichloroethane	ND	F2	1.0	0.23	ug/L			07/21/17 16:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 16:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 16:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 16:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 16:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 16:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 16:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 16:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 16:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 16:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 16:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 16:03	1
2-Hexanone	ND	F2	5.0	1.2	ug/L			07/21/17 16:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 16:03	1
Acetone	ND		10	3.0	ug/L			07/21/17 16:03	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 16:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 16:03	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 16:03	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 16:03	1
Carbon disulfide	ND	F2	1.0	0.19	ug/L			07/21/17 16:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 16:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 16:03	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 16:03	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 16:03	1
Chloromethane	ND	F2	1.0	0.35	ug/L			07/21/17 16:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 16:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 16:03	1
Cyclohexane	ND	F2	1.0	0.18	ug/L			07/21/17 16:03	1
Dibromochloromethane	ND	F2	1.0	0.32	ug/L			07/21/17 16:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 16:03	1
Ethylbenzene	ND	F2	1.0	0.74	ug/L			07/21/17 16:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 16:03	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 16:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 16:03	1
Methylcyclohexane	ND	F2	1.0	0.16	ug/L			07/21/17 16:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 16:03	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 16:03	1
Tetrachloroethene	ND	F2	1.0	0.36	ug/L			07/21/17 16:03	1
Toluene	ND	F2	1.0	0.51	ug/L			07/21/17 16:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 16:03	1
trans-1,3-Dichloropropene	ND	F2	1.0	0.37	ug/L			07/21/17 16:03	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 16:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 16:03	1
Vinyl chloride	ND	F2	1.0	0.90	ug/L			07/21/17 16:03	1
Xylenes, Total	ND	F2	2.0	0.66	ug/L			07/21/17 16:03	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2 071117
Date Collected: 07/11/17 10:06
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/21/17 16:03*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*07/21/17 16:03*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/21/17 16:03*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/21/17 16:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 22:39	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/20/17 22:39	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/20/17 22:39	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 22:39	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/20/17 22:39	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/20/17 22:39	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/20/17 22:39	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/20/17 22:39	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/20/17 22:39	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/20/17 22:39	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/20/17 22:39	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 22:39	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/20/17 22:39	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/20/17 22:39	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/20/17 22:39	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 22:39	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 22:39	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/20/17 22:39	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/20/17 22:39	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/20/17 22:39	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/20/17 22:39	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/20/17 22:39	1

Client Sample ID: MW-2 071117
Date Collected: 07/11/17 10:06
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/20/17 22:39	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/20/17 22:39	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/20/17 22:39	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 22:39	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		07/13/17 14:29	07/20/17 22:39	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 22:39	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 22:39	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 22:39	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 22:39	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/20/17 22:39	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 22:39	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 22:39	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 22:39	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/20/17 22:39	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/20/17 22:39	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/20/17 22:39	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/20/17 22:39	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 22:39	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 22:39	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/20/17 22:39	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/20/17 22:39	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/20/17 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*41 - 120*	*07/13/17 14:29*	*07/20/17 22:39*	*1*
2-Fluorobiphenyl	*75*		*48 - 120*	*07/13/17 14:29*	*07/20/17 22:39*	*1*
2-Fluorophenol	*65*		*35 - 120*	*07/13/17 14:29*	*07/20/17 22:39*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*07/13/17 14:29*	*07/20/17 22:39*	*1*
Phenol-d5	*52*		*22 - 120*	*07/13/17 14:29*	*07/20/17 22:39*	*1*
p-Terphenyl-d14	*74*		*59 - 136*	*07/13/17 14:29*	*07/20/17 22:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0089**	**J**	0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 09:52	1

Client Sample ID: MW-2I 071117
Date Collected: 07/11/17 11:48
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 16:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 16:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 16:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 16:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 16:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 16:27	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2I 071117
Date Collected: 07/11/17 11:48
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 16:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 16:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 16:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 16:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 16:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 16:27	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 16:27	1
Acetone	**34**		10	3.0	ug/L			07/21/17 16:27	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 16:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 16:27	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 16:27	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 16:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/17 16:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 16:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 16:27	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 16:27	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 16:27	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 16:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 16:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 16:27	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 16:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 16:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 16:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 16:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 16:27	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 16:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 16:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 16:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 16:27	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 16:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 16:27	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 16:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 16:27	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 16:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 16:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 16:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/17 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*07/21/17 16:27*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*07/21/17 16:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/21/17 16:27*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/21/17 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 17:26	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 17:26	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2I 071117
Date Collected: 07/11/17 11:48
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:26	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 17:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:26	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:26	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 17:26	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 17:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:26	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 17:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 17:26	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 17:26	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 17:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 17:26	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 17:26	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 17:26	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:26	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 17:26	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 17:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 17:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 17:26	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 17:26	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 17:26	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 17:26	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 17:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 17:26	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 17:26	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 17:26	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:26	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		07/13/17 14:29	07/21/17 17:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:26	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:26	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:26	1

Client Sample ID: MW-2I 071117

Lab Sample ID: 480-120981-2

Date Collected: 07/11/17 11:48

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 17:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:26	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:26	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 17:26	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 17:26	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 17:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 17:26	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:26	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:26	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 17:26	1
Phenol	**5.3**		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 17:26	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*41 - 120*	*07/13/17 14:29*	*07/21/17 17:26*	*1*
2-Fluorobiphenyl	*65*		*48 - 120*	*07/13/17 14:29*	*07/21/17 17:26*	*1*
2-Fluorophenol	*59*		*35 - 120*	*07/13/17 14:29*	*07/21/17 17:26*	*1*
Nitrobenzene-d5	*70*		*46 - 120*	*07/13/17 14:29*	*07/21/17 17:26*	*1*
Phenol-d5	*48*		*22 - 120*	*07/13/17 14:29*	*07/21/17 17:26*	*1*
p-Terphenyl-d14	*84*		*59 - 136*	*07/13/17 14:29*	*07/21/17 17:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 09:56	1

Client Sample ID: MW-38I 071117

Lab Sample ID: 480-120981-3

Date Collected: 07/11/17 13:35

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 16:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 16:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 16:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 16:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 16:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 16:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 16:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 16:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 16:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 16:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 16:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 16:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 16:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 16:50	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 16:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 16:50	1

Client Sample ID: MW-38I 071117
Date Collected: 07/11/17 13:35
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			07/21/17 16:50	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 16:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 16:50	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 16:50	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 16:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/17 16:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 16:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 16:50	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 16:50	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 16:50	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 16:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 16:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 16:50	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 16:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 16:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 16:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 16:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 16:50	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 16:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 16:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 16:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 16:50	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 16:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 16:50	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 16:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 16:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 16:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 16:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 16:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 16:50	1
Xylenes, Total	**2.2**		2.0	0.66	ug/L			07/21/17 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/21/17 16:50*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*07/21/17 16:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/21/17 16:50*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/21/17 16:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:56	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:56	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 17:56	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 17:56	1
2-Methylnaphthalene	**1.3**	**J**	5.0	0.60	ug/L		07/13/17 14:29	07/21/17 17:56	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-38I 071117
Date Collected: 07/11/17 13:35
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:56	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 17:56	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 17:56	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:56	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 17:56	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Methylphenol	**1.3**	**J**	10	0.36	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 17:56	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 17:56	1
Acenaphthene	**6.3**		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 17:56	1
Acenaphthylene	**0.58**	**J**	5.0	0.38	ug/L		07/13/17 14:29	07/21/17 17:56	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 17:56	1
Anthracene	**1.7**	**J**	5.0	0.28	ug/L		07/13/17 14:29	07/21/17 17:56	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 17:56	1
Biphenyl	**1.1**	**J**	5.0	0.65	ug/L		07/13/17 14:29	07/21/17 17:56	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 17:56	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 17:56	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:56	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 17:56	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 17:56	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 17:56	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 17:56	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 17:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 17:56	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 17:56	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 17:56	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:56	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		07/13/17 14:29	07/21/17 17:56	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:56	1
Fluoranthene	**1.7**	**J**	5.0	0.40	ug/L		07/13/17 14:29	07/21/17 17:56	1
Fluorene	**2.9**	**J**	5.0	0.36	ug/L		07/13/17 14:29	07/21/17 17:56	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:56	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 17:56	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:56	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 17:56	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 17:56	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 17:56	1
Naphthalene	**14**		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 17:56	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 17:56	1

Client Sample ID: MW-38I 071117

Lab Sample ID: 480-120981-3

Date Collected: 07/11/17 13:35

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 17:56	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 17:56	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 17:56	1
Phenanthrene	**6.4**		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 17:56	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 17:56	1
Pyrene	**2.5**	**J**	5.0	0.34	ug/L		07/13/17 14:29	07/21/17 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*41 - 120*	*07/13/17 14:29*	*07/21/17 17:56*	*1*
2-Fluorobiphenyl	*63*		*48 - 120*	*07/13/17 14:29*	*07/21/17 17:56*	*1*
2-Fluorophenol	*59*		*35 - 120*	*07/13/17 14:29*	*07/21/17 17:56*	*1*
Nitrobenzene-d5	*65*		*46 - 120*	*07/13/17 14:29*	*07/21/17 17:56*	*1*
Phenol-d5	*48*		*22 - 120*	*07/13/17 14:29*	*07/21/17 17:56*	*1*
p-Terphenyl-d14	*74*		*59 - 136*	*07/13/17 14:29*	*07/21/17 17:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 10:01	1

Client Sample ID: MW-38 071117

Lab Sample ID: 480-120981-4

Date Collected: 07/11/17 15:02

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 17:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 17:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 17:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 17:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 17:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 17:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 17:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 17:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 17:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 17:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 17:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 17:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 17:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 17:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 17:13	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 17:13	1
Acetone	ND		10	3.0	ug/L			07/21/17 17:13	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 17:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 17:13	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 17:13	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 17:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/17 17:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 17:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 17:13	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-38 071117
Date Collected: 07/11/17 15:02
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 17:13	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 17:13	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 17:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 17:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 17:13	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 17:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 17:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 17:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 17:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 17:13	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 17:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 17:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 17:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 17:13	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 17:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 17:13	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 17:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 17:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 17:13	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 17:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 17:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 17:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/17 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*07/21/17 17:13*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/21/17 17:13*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/21/17 17:13*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/21/17 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:26	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 18:26	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 18:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:26	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 18:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:26	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-38 071117
Date Collected: 07/11/17 15:02
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 18:26	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 18:26	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 18:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 18:26	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 18:26	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 18:26	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:26	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 18:26	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 18:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 18:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 18:26	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 18:26	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 18:26	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 18:26	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 18:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 18:26	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 18:26	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 18:26	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:26	1
Di-n-butyl phthalate	**0.66**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 18:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:26	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:26	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:26	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 18:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:26	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:26	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 18:26	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 18:26	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 18:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 18:26	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:26	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:26	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 18:26	1
Phenol	**1.2**	**J**	5.0	0.39	ug/L		07/13/17 14:29	07/21/17 18:26	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*41 - 120*	*07/13/17 14:29*	*07/21/17 18:26*	*1*

Client Sample ID: MW-38 071117

Lab Sample ID: 480-120981-4

Date Collected: 07/11/17 15:02

Matrix: Water

Date Received: 07/13/17 01:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*48 - 120*	*07/13/17 14:29*	*07/21/17 18:26*	*1*
2-Fluorophenol	*65*		*35 - 120*	*07/13/17 14:29*	*07/21/17 18:26*	*1*
Nitrobenzene-d5	*76*		*46 - 120*	*07/13/17 14:29*	*07/21/17 18:26*	*1*
Phenol-d5	*53*		*22 - 120*	*07/13/17 14:29*	*07/21/17 18:26*	*1*
p-Terphenyl-d14	*81*		*59 - 136*	*07/13/17 14:29*	*07/21/17 18:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.012**		0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 10:02	1

Client Sample ID: MW-39D 071117

Lab Sample ID: 480-120981-5

Date Collected: 07/11/17 17:03

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 17:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 17:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 17:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 17:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 17:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 17:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 17:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 17:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 17:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 17:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 17:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 17:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 17:36	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 17:36	1
Acetone	ND		10	3.0	ug/L			07/21/17 17:36	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 17:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 17:36	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 17:36	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 17:36	1
Carbon disulfide	**0.55**	**J**	1.0	0.19	ug/L			07/21/17 17:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 17:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 17:36	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 17:36	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 17:36	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 17:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 17:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 17:36	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 17:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 17:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 17:36	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-39D 071117
Date Collected: 07/11/17 17:03
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 17:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 17:36	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 17:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 17:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 17:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 17:36	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 17:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 17:36	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 17:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 17:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 17:36	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 17:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 17:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 17:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/17 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/21/17 17:36*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/21/17 17:36*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/21/17 17:36*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/21/17 17:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:55	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 18:55	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 18:55	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:55	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 18:55	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 18:55	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 18:55	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 18:55	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 18:55	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 18:55	1

Client Sample ID: MW-39D 071117
Date Collected: 07/11/17 17:03
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 18:55	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:55	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 18:55	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 18:55	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 18:55	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 18:55	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:55	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 18:55	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 18:55	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 18:55	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 18:55	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 18:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 18:55	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 18:55	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 18:55	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:55	1
Di-n-butyl phthalate	**0.74**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 18:55	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:55	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 18:55	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 18:55	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:55	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 18:55	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:55	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 18:55	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 18:55	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 18:55	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 18:55	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 18:55	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 18:55	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 18:55	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 18:55	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 18:55	1
Phenol	**0.74**	**J**	5.0	0.39	ug/L		07/13/17 14:29	07/21/17 18:55	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*41 - 120*	*07/13/17 14:29*	*07/21/17 18:55*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*07/13/17 14:29*	*07/21/17 18:55*	*1*
2-Fluorophenol	*69*		*35 - 120*	*07/13/17 14:29*	*07/21/17 18:55*	*1*
Nitrobenzene-d5	*82*		*46 - 120*	*07/13/17 14:29*	*07/21/17 18:55*	*1*
Phenol-d5	*56*		*22 - 120*	*07/13/17 14:29*	*07/21/17 18:55*	*1*
p-Terphenyl-d14	*86*		*59 - 136*	*07/13/17 14:29*	*07/21/17 18:55*	*1*

Client Sample ID: MW-39D 071117

Lab Sample ID: 480-120981-5

Date Collected: 07/11/17 17:03

Matrix: Water

Date Received: 07/13/17 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0083**	**J**	0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 10:04	1

Client Sample ID: MW-17 071217

Lab Sample ID: 480-120981-6

Date Collected: 07/12/17 10:20

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 02:11	1
1,1-Dichloroethane	**0.88**	**J**	1.0	0.38	ug/L			07/22/17 02:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 02:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 02:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 02:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 02:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 02:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 02:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 02:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 02:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 02:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 02:11	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 02:11	1
Acetone	ND		10	3.0	ug/L			07/22/17 02:11	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 02:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 02:11	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 02:11	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 02:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 02:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 02:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 02:11	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 02:11	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 02:11	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 02:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 02:11	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 02:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 02:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 02:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 02:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 02:11	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 02:11	1
Methyl tert-butyl ether	**0.32**	**J**	1.0	0.16	ug/L			07/22/17 02:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 02:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 02:11	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 02:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 02:11	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 02:11	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-17 071217
Date Collected: 07/12/17 10:20
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 02:11	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 02:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 02:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 02:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*07/22/17 02:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*07/22/17 02:11*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/22/17 02:11*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/22/17 02:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:25	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 19:25	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 19:25	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:25	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 19:25	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 19:25	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 19:25	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 19:25	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 19:25	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 19:25	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 19:25	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzo(b)fluoranthene	**0.68**	**J**	5.0	0.34	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzo(g,h,i)perylene	**0.62**	**J**	5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:25	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 19:25	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 19:25	1

Client Sample ID: MW-17 071217

Lab Sample ID: 480-120981-6

Date Collected: 07/12/17 10:20

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 19:25	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:25	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:25	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 19:25	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 19:25	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 19:25	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 19:25	1
Chrysene	**0.33**	**J**	5.0	0.33	ug/L		07/13/17 14:29	07/21/17 19:25	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 19:25	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 19:25	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 19:25	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:25	1
Di-n-butyl phthalate	**0.59**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 19:25	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:25	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:25	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:25	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:25	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 19:25	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:25	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:25	1
Indeno(1,2,3-cd)pyrene	**0.50**	**J**	5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:25	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 19:25	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 19:25	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 19:25	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 19:25	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:25	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:25	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 19:25	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 19:25	1
Pyrene	**0.48**	**J**	5.0	0.34	ug/L		07/13/17 14:29	07/21/17 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*41 - 120*	*07/13/17 14:29*	*07/21/17 19:25*	*1*
2-Fluorobiphenyl	*56*		*48 - 120*	*07/13/17 14:29*	*07/21/17 19:25*	*1*
2-Fluorophenol	*43*		*35 - 120*	*07/13/17 14:29*	*07/21/17 19:25*	*1*
Nitrobenzene-d5	*54*		*46 - 120*	*07/13/17 14:29*	*07/21/17 19:25*	*1*
Phenol-d5	*36*		*22 - 120*	*07/13/17 14:29*	*07/21/17 19:25*	*1*
p-Terphenyl-d14	*68*		*59 - 136*	*07/13/17 14:29*	*07/21/17 19:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.092**		0.010	0.0050	mg/L		07/21/17 08:10	07/21/17 14:27	1

Client Sample ID: MW-17I 071217

Lab Sample ID: 480-120981-7

Date Collected: 07/12/17 12:35

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 02:39	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-17I 071217
Date Collected: 07/12/17 12:35
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 02:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 02:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 02:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 02:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 02:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 02:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 02:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 02:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 02:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 02:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 02:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 02:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 02:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 02:39	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 02:39	1
Acetone	ND		10	3.0	ug/L			07/22/17 02:39	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 02:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 02:39	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 02:39	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 02:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 02:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 02:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 02:39	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 02:39	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 02:39	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 02:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 02:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 02:39	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 02:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 02:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 02:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 02:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 02:39	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 02:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 02:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 02:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 02:39	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 02:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 02:39	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 02:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 02:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 02:39	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 02:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 02:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 02:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*07/22/17 02:39*	*1*

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-17I 071217
Date Collected: 07/12/17 12:35
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-7
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		73 - 120		07/22/17 02:39	1
Toluene-d8 (Surr)	104		80 - 120		07/22/17 02:39	1
Dibromofluoromethane (Surr)	99		75 - 123		07/22/17 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:54	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 19:54	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 19:54	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:54	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 19:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 19:54	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 19:54	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 19:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 19:54	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 19:54	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 19:54	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:54	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 19:54	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 19:54	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 19:54	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 19:54	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:54	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 19:54	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 19:54	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 19:54	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 19:54	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 19:54	1

Client Sample ID: MW-17I 071217

Lab Sample ID: 480-120981-7

Date Collected: 07/12/17 12:35

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 19:54	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 19:54	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 19:54	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:54	1
Di-n-butyl phthalate	**0.67**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 19:54	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:54	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 19:54	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 19:54	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:54	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 19:54	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:54	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 19:54	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 19:54	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 19:54	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 19:54	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 19:54	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 19:54	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 19:54	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 19:54	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 19:54	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 19:54	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*41 - 120*	*07/13/17 14:29*	*07/21/17 19:54*	*1*
2-Fluorobiphenyl	*69*		*48 - 120*	*07/13/17 14:29*	*07/21/17 19:54*	*1*
2-Fluorophenol	*61*		*35 - 120*	*07/13/17 14:29*	*07/21/17 19:54*	*1*
Nitrobenzene-d5	*71*		*46 - 120*	*07/13/17 14:29*	*07/21/17 19:54*	*1*
Phenol-d5	*51*		*22 - 120*	*07/13/17 14:29*	*07/21/17 19:54*	*1*
p-Terphenyl-d14	*82*		*59 - 136*	*07/13/17 14:29*	*07/21/17 19:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/17 08:10	07/21/17 14:29	1

Client Sample ID: MW-17D 071217

Lab Sample ID: 480-120981-8

Date Collected: 07/12/17 13:59

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 03:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 03:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 03:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 03:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 03:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 03:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 03:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 03:06	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-17D 071217
Date Collected: 07/12/17 13:59
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 03:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 03:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 03:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 03:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 03:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 03:06	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 03:06	1
Acetone	ND		10	3.0	ug/L			07/22/17 03:06	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 03:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 03:06	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 03:06	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 03:06	1
Carbon disulfide	**0.87**	**J**	1.0	0.19	ug/L			07/22/17 03:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 03:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 03:06	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 03:06	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 03:06	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 03:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 03:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 03:06	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 03:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 03:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 03:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 03:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 03:06	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 03:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 03:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 03:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 03:06	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 03:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 03:06	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 03:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 03:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 03:06	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 03:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 03:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 03:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*07/22/17 03:06*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*07/22/17 03:06*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/22/17 03:06*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/22/17 03:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 20:24	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 20:24	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-17D 071217
Date Collected: 07/12/17 13:59
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:24	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 20:24	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:24	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:24	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 20:24	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 20:24	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:24	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 20:24	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 20:24	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 20:24	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 20:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 20:24	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 20:24	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 20:24	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:24	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 20:24	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 20:24	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 20:24	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:24	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:24	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 20:24	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 20:24	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 20:24	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 20:24	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 20:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 20:24	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 20:24	1
Diethyl phthalate	**3.2**	**J**	5.0	0.22	ug/L		07/13/17 14:29	07/21/17 20:24	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:24	1
Di-n-butyl phthalate	**0.40**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 20:24	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:24	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:24	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:24	1

Client Sample ID: MW-17D 071217

Lab Sample ID: 480-120981-8

Date Collected: 07/12/17 13:59

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:24	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 20:24	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:24	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:24	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:24	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 20:24	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 20:24	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 20:24	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 20:24	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:24	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:24	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 20:24	1
Phenol	**17**		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 20:24	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*41 - 120*	*07/13/17 14:29*	*07/21/17 20:24*	*1*
2-Fluorobiphenyl	*76*		*48 - 120*	*07/13/17 14:29*	*07/21/17 20:24*	*1*
2-Fluorophenol	*62*		*35 - 120*	*07/13/17 14:29*	*07/21/17 20:24*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*07/13/17 14:29*	*07/21/17 20:24*	*1*
Phenol-d5	*50*		*22 - 120*	*07/13/17 14:29*	*07/21/17 20:24*	*1*
p-Terphenyl-d14	*87*		*59 - 136*	*07/13/17 14:29*	*07/21/17 20:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/17 08:10	07/21/17 14:30	1

Client Sample ID: MW-20D 071217

Lab Sample ID: 480-120981-9

Date Collected: 07/12/17 16:22

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 03:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 03:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 03:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 03:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 03:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 03:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 03:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 03:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 03:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 03:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 03:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 03:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 03:33	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 03:33	1

Client Sample ID: MW-20D 071217
Date Collected: 07/12/17 16:22
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			07/22/17 03:33	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 03:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 03:33	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 03:33	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 03:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 03:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 03:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 03:33	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 03:33	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 03:33	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 03:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 03:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 03:33	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 03:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 03:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 03:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 03:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 03:33	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 03:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 03:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 03:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 03:33	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 03:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 03:33	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 03:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 03:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 03:33	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 03:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 03:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 03:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/22/17 03:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*07/22/17 03:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/22/17 03:33*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/22/17 03:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:54	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:54	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 20:54	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/21/17 20:54	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/21/17 20:54	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-20D 071217
Date Collected: 07/12/17 16:22
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:54	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/21/17 20:54	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/21/17 20:54	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:54	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/21/17 20:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/21/17 20:54	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/21/17 20:54	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/21/17 20:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/21/17 20:54	1
Acetophenone	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 20:54	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/21/17 20:54	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:54	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/21/17 20:54	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/21/17 20:54	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/21/17 20:54	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/21/17 20:54	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:54	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 20:54	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/21/17 20:54	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/21/17 20:54	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/21/17 20:54	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/21/17 20:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/21/17 20:54	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/21/17 20:54	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/21/17 20:54	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:54	1
Di-n-butyl phthalate	**0.49**	**J**	5.0	0.31	ug/L		07/13/17 14:29	07/21/17 20:54	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:54	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/21/17 20:54	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/21/17 20:54	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:54	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/21/17 20:54	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:54	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/21/17 20:54	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/21/17 20:54	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/21/17 20:54	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/21/17 20:54	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/21/17 20:54	1

Client Sample ID: MW-20D 071217

Lab Sample ID: 480-120981-9

Date Collected: 07/12/17 16:22

Matrix: Water

Date Received: 07/13/17 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/21/17 20:54	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/21/17 20:54	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/21/17 20:54	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/21/17 20:54	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/21/17 20:54	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/21/17 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*41 - 120*	*07/13/17 14:29*	*07/21/17 20:54*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*07/13/17 14:29*	*07/21/17 20:54*	*1*
2-Fluorophenol	*62*		*35 - 120*	*07/13/17 14:29*	*07/21/17 20:54*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*07/13/17 14:29*	*07/21/17 20:54*	*1*
Phenol-d5	*50*		*22 - 120*	*07/13/17 14:29*	*07/21/17 20:54*	*1*
p-Terphenyl-d14	*91*		*59 - 136*	*07/13/17 14:29*	*07/21/17 20:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/17 08:10	07/21/17 14:31	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120981-10

Date Collected: 07/12/17 00:00

Matrix: Water

Date Received: 07/13/17 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 04:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 04:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 04:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 04:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 04:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 04:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 04:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 04:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 04:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 04:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 04:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 04:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 04:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 04:00	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 04:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 04:00	1
Acetone	ND		10	3.0	ug/L			07/22/17 04:00	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 04:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 04:00	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 04:00	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 04:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 04:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 04:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 04:00	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: TRIP BLANK
Date Collected: 07/12/17 00:00
Date Received: 07/13/17 01:30

Lab Sample ID: 480-120981-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 04:00	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 04:00	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 04:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 04:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 04:00	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 04:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 04:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 04:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 04:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 04:00	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 04:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 04:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 04:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 04:00	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 04:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 04:00	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 04:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 04:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 04:00	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 04:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 04:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 04:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/22/17 04:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*07/22/17 04:00*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/22/17 04:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/22/17 04:00*	*1*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-120981-1	MW-2 071117	105	88	98	98
480-120981-1 MS	MW-2 071117	102	94	103	97
480-120981-1 MSD	MW-2 071117	110	98	98	107
480-120981-2	MW-2I 071117	106	89	94	102
480-120981-3	MW-38I 071117	109	92	99	104
480-120981-4	MW-38 071117	107	86	97	101
480-120981-5	MW-39D 071117	105	87	94	98
480-120981-6	MW-17 071217	107	94	107	99
480-120981-7	MW-17I 071217	108	95	104	99
480-120981-8	MW-17D 071217	107	93	104	98
480-120981-9	MW-20D 071217	109	94	105	99
480-120981-10	TRIP BLANK	109	95	105	100
LCS 480-368042/4	Lab Control Sample	103	99	102	100
LCS 480-368195/4	Lab Control Sample	108	92	107	104
MB 480-368042/6	Method Blank	108	92	95	99
MB 480-368195/6	Method Blank	110	91	107	103

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(59-136)
480-120981-1	MW-2 071117	75	75	65	85	52	74
480-120981-1 MS	MW-2 071117	78	77	70	86	60	85
480-120981-1 MSD	MW-2 071117	77	72	67	80	59	73
480-120981-2	MW-2I 071117	78	65	59	70	48	84
480-120981-3	MW-38I 071117	61	63	59	65	48	74
480-120981-4	MW-38 071117	73	72	65	76	53	81
480-120981-5	MW-39D 071117	80	78	69	82	56	86
480-120981-6	MW-17 071217	67	56	43	54	36	68
480-120981-7	MW-17I 071217	79	69	61	71	51	82
480-120981-8	MW-17D 071217	76	76	62	80	50	87
480-120981-9	MW-20D 071217	76	80	62	84	50	91
LCS 480-366840/2-A	Lab Control Sample	81	80	76	89	64	90
MB 480-366840/1-A	Method Blank	71	80	70	90	56	90

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-368042/6
Matrix: Water
Analysis Batch: 368042

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 11:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 11:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 11:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 11:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 11:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 11:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 11:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 11:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 11:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 11:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 11:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 11:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 11:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 11:15	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 11:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 11:15	1
Acetone	ND		10	3.0	ug/L			07/21/17 11:15	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 11:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 11:15	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 11:15	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 11:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/17 11:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 11:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 11:15	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 11:15	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 11:15	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 11:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 11:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 11:15	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 11:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 11:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 11:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 11:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 11:15	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 11:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 11:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 11:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 11:15	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 11:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 11:15	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 11:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 11:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 11:15	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 11:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 11:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 11:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/17 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		07/21/17 11:15	1
4-Bromofluorobenzene (Surr)	92		73 - 120		07/21/17 11:15	1
Toluene-d8 (Surr)	95		80 - 120		07/21/17 11:15	1
Dibromofluoromethane (Surr)	99		75 - 123		07/21/17 11:15	1

Lab Sample ID: LCS 480-368042/4
Matrix: Water
Analysis Batch: 368042

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.7		ug/L		83	61 - 148
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	17.9		ug/L		72	66 - 127
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	23.4		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	21.9		ug/L		88	71 - 124
Bromodichloromethane	25.0	23.2		ug/L		93	80 - 122
Bromoform	25.0	23.6		ug/L		94	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	22.9		ug/L		92	72 - 134
Chlorobenzene	25.0	22.6		ug/L		91	80 - 120
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	21.5		ug/L		86	74 - 124
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	20.9		ug/L		83	59 - 135
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Dichlorodifluoromethane	25.0	18.0		ug/L		72	59 - 135
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	125	130		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	19.8		ug/L		79	68 - 134
Methylene Chloride	25.0	21.3		ug/L		85	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127

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

Lab Sample ID: LCS 480-368042/4
Matrix: Water
Analysis Batch: 368042

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-1,3-Dichloropropene			25.0	26.1		ug/L		104	80 - 120		
Trichloroethene			25.0	21.1		ug/L		84	74 - 123		
Trichlorofluoromethane			25.0	24.1		ug/L		96	62 - 150		
Vinyl chloride			25.0	20.2		ug/L		81	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 368042

Client Sample ID: MW-2 071117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND	F1	25.0	34.4	F1	ug/L		137	73 - 126		
1,1,2,2-Tetrachloroethane	ND		25.0	24.7		ug/L		99	76 - 120		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	25.0	26.7		ug/L		107	61 - 148		
1,1,2-Trichloroethane	ND	F2	25.0	26.3		ug/L		105	76 - 122		
1,1-Dichloroethane	ND		25.0	27.2		ug/L		109	77 - 120		
1,1-Dichloroethene	ND		25.0	22.1		ug/L		88	66 - 127		
1,2,4-Trichlorobenzene	ND		25.0	23.5		ug/L		94	79 - 122		
1,2-Dibromo-3-Chloropropane	ND		25.0	22.2		ug/L		89	56 - 134		
1,2-Dibromoethane	ND		25.0	24.9		ug/L		99	77 - 120		
1,2-Dichlorobenzene	ND		25.0	25.4		ug/L		102	80 - 124		
1,2-Dichloroethane	ND		25.0	25.4		ug/L		102	75 - 120		
1,2-Dichloropropane	ND		25.0	25.6		ug/L		103	76 - 120		
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120		
1,4-Dichlorobenzene	ND		25.0	25.0		ug/L		100	78 - 124		
2-Butanone (MEK)	ND		125	124		ug/L		99	57 - 140		
2-Hexanone	ND	F2	125	125		ug/L		100	65 - 127		
4-Methyl-2-pentanone (MIBK)	ND		125	139		ug/L		111	71 - 125		
Acetone	ND		125	111		ug/L		89	56 - 142		
Benzene	ND		25.0	25.0		ug/L		100	71 - 124		
Bromodichloromethane	ND		25.0	26.6		ug/L		106	80 - 122		
Bromoform	ND		25.0	23.4		ug/L		94	61 - 132		
Bromomethane	ND		25.0	28.5		ug/L		114	55 - 144		
Carbon disulfide	ND	F2	25.0	26.3		ug/L		105	59 - 134		
Carbon tetrachloride	ND		25.0	27.9		ug/L		111	72 - 134		
Chlorobenzene	ND		25.0	24.7		ug/L		99	80 - 120		
Chloroethane	ND		25.0	29.5		ug/L		118	69 - 136		
Chloroform	ND		25.0	26.4		ug/L		106	73 - 127		
Chloromethane	ND	F2	25.0	23.6		ug/L		94	68 - 124		
cis-1,2-Dichloroethene	ND		25.0	24.8		ug/L		99	74 - 124		
cis-1,3-Dichloropropene	ND		25.0	25.8		ug/L		103	74 - 124		
Cyclohexane	ND	F2	25.0	27.6		ug/L		110	59 - 135		

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

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 368042

Client Sample ID: MW-2 071117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	ND	F2	25.0	26.3		ug/L		105	75 - 125
Dichlorodifluoromethane	ND		25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	ND	F2	25.0	25.7		ug/L		103	77 - 123
Isopropylbenzene	ND		25.0	25.3		ug/L		101	77 - 122
Methyl acetate	ND		125	127		ug/L		101	74 - 133
Methyl tert-butyl ether	ND		25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	ND	F2	25.0	25.6		ug/L		102	68 - 134
Methylene Chloride	ND		25.0	24.4		ug/L		98	75 - 124
Styrene	ND		25.0	25.1		ug/L		101	80 - 120
Tetrachloroethene	ND	F2	25.0	27.4		ug/L		110	74 - 122
Toluene	ND	F2	25.0	27.2		ug/L		109	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND	F2	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	ND		25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	ND		25.0	29.4		ug/L		117	62 - 150
Vinyl chloride	ND	F2	25.0	25.1		ug/L		100	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-120981-1 MSD
Matrix: Water
Analysis Batch: 368042

Client Sample ID: MW-2 071117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	25.0	30.5		ug/L		122	73 - 126	12	15
1,1,2,2-Tetrachloroethane	ND		25.0	21.9		ug/L		88	76 - 120	12	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	25.0	20.8	F2	ug/L		83	61 - 148	25	20
1,1,2-Trichloroethane	ND	F2	25.0	20.6	F2	ug/L		82	76 - 122	24	15
1,1-Dichloroethane	ND		25.0	25.0		ug/L		100	77 - 120	8	20
1,1-Dichloroethene	ND		25.0	19.4		ug/L		77	66 - 127	13	16
1,2,4-Trichlorobenzene	ND		25.0	21.2		ug/L		85	79 - 122	10	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.2		ug/L		85	56 - 134	5	15
1,2-Dibromoethane	ND		25.0	21.6		ug/L		86	77 - 120	14	15
1,2-Dichlorobenzene	ND		25.0	21.8		ug/L		87	80 - 124	15	20
1,2-Dichloroethane	ND		25.0	23.7		ug/L		95	75 - 120	7	20
1,2-Dichloropropane	ND		25.0	23.5		ug/L		94	76 - 120	9	20
1,3-Dichlorobenzene	ND		25.0	21.8		ug/L		87	77 - 120	14	20
1,4-Dichlorobenzene	ND		25.0	21.1		ug/L		84	78 - 124	17	20
2-Butanone (MEK)	ND		125	115		ug/L		92	57 - 140	7	20
2-Hexanone	ND	F2	125	98.6	F2	ug/L		79	65 - 127	23	15
4-Methyl-2-pentanone (MIBK)	ND		125	112		ug/L		90	71 - 125	22	35
Acetone	ND		125	105		ug/L		84	56 - 142	6	15
Benzene	ND		25.0	22.1		ug/L		88	71 - 124	12	13

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

Lab Sample ID: 480-120981-1 MSD
Matrix: Water
Analysis Batch: 368042

Client Sample ID: MW-2 071117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		25.0	23.3		ug/L		93	80 - 122	13	15
Bromoform	ND		25.0	20.4		ug/L		82	61 - 132	14	15
Bromomethane	ND		25.0	30.7		ug/L		123	55 - 144	8	15
Carbon disulfide	ND	F2	25.0	22.5	F2	ug/L		90	59 - 134	16	15
Carbon tetrachloride	ND		25.0	24.4		ug/L		98	72 - 134	13	15
Chlorobenzene	ND		25.0	20.5		ug/L		82	80 - 120	19	25
Chloroethane	ND		25.0	33.8		ug/L		135	69 - 136	14	15
Chloroform	ND		25.0	23.5		ug/L		94	73 - 127	12	20
Chloromethane	ND	F2	25.0	29.5	F2	ug/L		118	68 - 124	22	15
cis-1,2-Dichloroethene	ND		25.0	23.1		ug/L		93	74 - 124	7	15
cis-1,3-Dichloropropene	ND		25.0	22.2		ug/L		89	74 - 124	15	15
Cyclohexane	ND	F2	25.0	21.6	F2	ug/L		86	59 - 135	24	20
Dibromochloromethane	ND	F2	25.0	22.1	F2	ug/L		88	75 - 125	17	15
Dichlorodifluoromethane	ND		25.0	27.6		ug/L		110	59 - 135	20	20
Ethylbenzene	ND	F2	25.0	20.8	F2	ug/L		83	77 - 123	21	15
Isopropylbenzene	ND		25.0	21.8		ug/L		87	77 - 122	15	20
Methyl acetate	ND		125	115		ug/L		92	74 - 133	9	20
Methyl tert-butyl ether	ND		25.0	22.5		ug/L		90	77 - 120	10	37
Methylcyclohexane	ND	F2	25.0	17.9	F2	ug/L		72	68 - 134	36	20
Methylene Chloride	ND		25.0	21.8		ug/L		87	75 - 124	11	15
Styrene	ND		25.0	21.0		ug/L		84	80 - 120	18	20
Tetrachloroethene	ND	F2	25.0	20.1	F2	ug/L		80	74 - 122	31	20
Toluene	ND	F2	25.0	20.9	F2	ug/L		84	80 - 122	26	15
trans-1,2-Dichloroethene	ND		25.0	22.9		ug/L		92	73 - 127	12	20
trans-1,3-Dichloropropene	ND	F2	25.0	20.5	F2	ug/L		82	80 - 120	27	15
Trichloroethene	ND		25.0	22.2		ug/L		89	74 - 123	14	16
Trichlorofluoromethane	ND		25.0	33.9		ug/L		136	62 - 150	14	20
Vinyl chloride	ND	F2	25.0	30.0	F2	ug/L		120	65 - 133	18	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: MB 480-368195/6
Matrix: Water
Analysis Batch: 368195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/17 23:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/17 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/17 23:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/17 23:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/17 23:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/17 23:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/17 23:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/17 23:12	1

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

Lab Sample ID: MB 480-368195/6
Matrix: Water
Analysis Batch: 368195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/17 23:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/17 23:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/17 23:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/17 23:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/17 23:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/17 23:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/17 23:12	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/17 23:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/17 23:12	1
Acetone	ND		10	3.0	ug/L			07/21/17 23:12	1
Benzene	ND		1.0	0.41	ug/L			07/21/17 23:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/17 23:12	1
Bromoform	ND		1.0	0.26	ug/L			07/21/17 23:12	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/17 23:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/17 23:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/17 23:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/17 23:12	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/17 23:12	1
Chloroform	ND		1.0	0.34	ug/L			07/21/17 23:12	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/17 23:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/17 23:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/17 23:12	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/17 23:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/17 23:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/17 23:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/17 23:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/17 23:12	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/17 23:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/17 23:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/17 23:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/17 23:12	1
Styrene	ND		1.0	0.73	ug/L			07/21/17 23:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/17 23:12	1
Toluene	ND		1.0	0.51	ug/L			07/21/17 23:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/17 23:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/17 23:12	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/17 23:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/17 23:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/17 23:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/17 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*07/21/17 23:12*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*07/21/17 23:12*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/21/17 23:12*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*07/21/17 23:12*	*1*

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

Lab Sample ID: LCS 480-368195/4
Matrix: Water
Analysis Batch: 368195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.5		ug/L		86	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.4		ug/L		81	61 - 148
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	20.5		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	21.6		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.9		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	23.8		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	137		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromodichloromethane	25.0	23.4		ug/L		94	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	22.6		ug/L		91	55 - 144
Carbon disulfide	25.0	20.9		ug/L		84	59 - 134
Carbon tetrachloride	25.0	19.8		ug/L		79	72 - 134
Chlorobenzene	25.0	23.0		ug/L		92	80 - 120
Chloroethane	25.0	25.0		ug/L		100	69 - 136
Chloroform	25.0	22.9		ug/L		91	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	74 - 124
Cyclohexane	25.0	20.4		ug/L		81	59 - 135
Dibromochloromethane	25.0	22.9		ug/L		92	75 - 125
Dichlorodifluoromethane	25.0	16.8		ug/L		67	59 - 135
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
Isopropylbenzene	25.0	23.2		ug/L		93	77 - 122
Methyl acetate	125	121		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	20.6		ug/L		82	68 - 134
Methylene Chloride	25.0	22.5		ug/L		90	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	20.2		ug/L		81	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Trichlorofluoromethane	25.0	20.4		ug/L		82	62 - 150
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

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

Lab Sample ID: LCS 480-368195/4
Matrix: Water
Analysis Batch: 368195

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

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

Lab Sample ID: MB 480-366840/1-A
Matrix: Water
Analysis Batch: 367946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 18:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Nitroaniline	ND		10	0.42	ug/L		07/13/17 14:29	07/20/17 18:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/13/17 14:29	07/20/17 18:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 18:45	1
3-Nitroaniline	ND		10	0.48	ug/L		07/13/17 14:29	07/20/17 18:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Methylphenol	ND		10	0.36	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Nitroaniline	ND		10	0.25	ug/L		07/13/17 14:29	07/20/17 18:45	1
4-Nitrophenol	ND		10	1.5	ug/L		07/13/17 14:29	07/20/17 18:45	1
Acenaphthene	ND		5.0	0.41	ug/L		07/13/17 14:29	07/20/17 18:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/13/17 14:29	07/20/17 18:45	1
Acetophenone	0.708	J	5.0	0.54	ug/L		07/13/17 14:29	07/20/17 18:45	1
Anthracene	ND		5.0	0.28	ug/L		07/13/17 14:29	07/20/17 18:45	1
Atrazine	ND		5.0	0.46	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 18:45	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/13/17 14:29	07/20/17 18:45	1
Biphenyl	ND		5.0	0.65	ug/L		07/13/17 14:29	07/20/17 18:45	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/13/17 14:29	07/20/17 18:45	1

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

Lab Sample ID: MB 480-366840/1-A
Matrix: Water
Analysis Batch: 367946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/13/17 14:29	07/20/17 18:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 18:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/13/17 14:29	07/20/17 18:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/13/17 14:29	07/20/17 18:45	1
Caprolactam	ND		5.0	2.2	ug/L		07/13/17 14:29	07/20/17 18:45	1
Carbazole	ND		5.0	0.30	ug/L		07/13/17 14:29	07/20/17 18:45	1
Chrysene	ND		5.0	0.33	ug/L		07/13/17 14:29	07/20/17 18:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/13/17 14:29	07/20/17 18:45	1
Dibenzofuran	ND		10	0.51	ug/L		07/13/17 14:29	07/20/17 18:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/13/17 14:29	07/20/17 18:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 18:45	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		07/13/17 14:29	07/20/17 18:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 18:45	1
Fluoranthene	ND		5.0	0.40	ug/L		07/13/17 14:29	07/20/17 18:45	1
Fluorene	ND		5.0	0.36	ug/L		07/13/17 14:29	07/20/17 18:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 18:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/13/17 14:29	07/20/17 18:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 18:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/13/17 14:29	07/20/17 18:45	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/13/17 14:29	07/20/17 18:45	1
Isophorone	ND		5.0	0.43	ug/L		07/13/17 14:29	07/20/17 18:45	1
Naphthalene	ND		5.0	0.76	ug/L		07/13/17 14:29	07/20/17 18:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/13/17 14:29	07/20/17 18:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/13/17 14:29	07/20/17 18:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/13/17 14:29	07/20/17 18:45	1
Pentachlorophenol	ND		10	2.2	ug/L		07/13/17 14:29	07/20/17 18:45	1
Phenanthrene	ND		5.0	0.44	ug/L		07/13/17 14:29	07/20/17 18:45	1
Phenol	ND		5.0	0.39	ug/L		07/13/17 14:29	07/20/17 18:45	1
Pyrene	ND		5.0	0.34	ug/L		07/13/17 14:29	07/20/17 18:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*41 - 120*	*07/13/17 14:29*	*07/20/17 18:45*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*07/13/17 14:29*	*07/20/17 18:45*	*1*
2-Fluorophenol	*70*		*35 - 120*	*07/13/17 14:29*	*07/20/17 18:45*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*07/13/17 14:29*	*07/20/17 18:45*	*1*
Phenol-d5	*56*		*22 - 120*	*07/13/17 14:29*	*07/20/17 18:45*	*1*
p-Terphenyl-d14	*90*		*59 - 136*	*07/13/17 14:29*	*07/20/17 18:45*	*1*

Lab Sample ID: LCS 480-366840/2-A
Matrix: Water
Analysis Batch: 367946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	30.7		ug/L		96	65 - 126
2,4,6-Trichlorophenol	32.0	25.9		ug/L		81	64 - 120
2,4-Dichlorophenol	32.0	28.7		ug/L		90	63 - 120
2,4-Dimethylphenol	32.0	28.8		ug/L		90	47 - 120
2,4-Dinitrophenol	64.0	54.2		ug/L		85	31 - 137

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

Lab Sample ID: LCS 480-366840/2-A
Matrix: Water
Analysis Batch: 367946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	32.0	28.6		ug/L		89	69 - 120
2,6-Dinitrotoluene	32.0	28.4		ug/L		89	68 - 120
2-Chloronaphthalene	32.0	26.0		ug/L		81	58 - 120
2-Chlorophenol	32.0	28.5		ug/L		89	48 - 120
2-Methylnaphthalene	32.0	25.7		ug/L		80	59 - 120
2-Methylphenol	32.0	27.9		ug/L		87	39 - 120
2-Nitroaniline	32.0	30.4		ug/L		95	54 - 127
2-Nitrophenol	32.0	28.6		ug/L		89	52 - 125
3,3'-Dichlorobenzidine	64.0	64.9	E	ug/L		101	49 - 135
3-Nitroaniline	32.0	27.8		ug/L		87	51 - 120
4,6-Dinitro-2-methylphenol	64.0	52.3		ug/L		82	46 - 136
4-Bromophenyl phenyl ether	32.0	27.0		ug/L		84	65 - 120
4-Chloro-3-methylphenol	32.0	29.3		ug/L		91	61 - 123
4-Chloroaniline	32.0	25.8		ug/L		81	30 - 120
4-Chlorophenyl phenyl ether	32.0	27.3		ug/L		85	62 - 120
4-Methylphenol	32.0	28.8		ug/L		90	29 - 131
4-Nitroaniline	32.0	32.5		ug/L		102	65 - 120
4-Nitrophenol	64.0	44.2		ug/L		69	45 - 120
Acenaphthene	32.0	26.7		ug/L		84	60 - 120
Acenaphthylene	32.0	27.6		ug/L		86	63 - 120
Acetophenone	32.0	30.5		ug/L		95	45 - 120
Anthracene	32.0	29.5		ug/L		92	67 - 120
Atrazine	64.0	61.5		ug/L		96	71 - 130
Benzaldehyde	64.0	42.4		ug/L		66	10 - 140
Benzo(a)anthracene	32.0	29.8		ug/L		93	70 - 121
Benzo(a)pyrene	32.0	29.8		ug/L		93	60 - 123
Benzo(b)fluoranthene	32.0	30.4		ug/L		95	66 - 126
Benzo(g,h,i)perylene	32.0	29.1		ug/L		91	66 - 150
Benzo(k)fluoranthene	32.0	28.0		ug/L		88	65 - 124
Biphenyl	32.0	25.9		ug/L		81	59 - 120
bis (2-chloroisopropyl) ether	32.0	35.3		ug/L		110	21 - 136
Bis(2-chloroethoxy)methane	32.0	30.1		ug/L		94	50 - 128
Bis(2-chloroethyl)ether	32.0	30.1		ug/L		94	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.1		ug/L		100	63 - 139
Butyl benzyl phthalate	32.0	33.4		ug/L		104	70 - 129
Caprolactam	64.0	22.9		ug/L		36	22 - 120
Carbazole	32.0	29.1		ug/L		91	66 - 123
Chrysene	32.0	28.9		ug/L		90	69 - 120
Dibenz(a,h)anthracene	32.0	29.6		ug/L		93	65 - 135
Dibenzofuran	32.0	27.9		ug/L		87	66 - 120
Diethyl phthalate	32.0	29.9		ug/L		94	59 - 127
Dimethyl phthalate	32.0	29.0		ug/L		91	68 - 120
Di-n-butyl phthalate	32.0	29.8		ug/L		93	69 - 131
Di-n-octyl phthalate	32.0	26.7		ug/L		83	63 - 140
Fluoranthene	32.0	29.6		ug/L		92	69 - 126
Fluorene	32.0	27.7		ug/L		87	66 - 120
Hexachlorobenzene	32.0	25.6		ug/L		80	61 - 120
Hexachlorobutadiene	32.0	21.0		ug/L		66	35 - 120

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

Lab Sample ID: LCS 480-366840/2-A
Matrix: Water
Analysis Batch: 367946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	32.0	17.2		ug/L		54	31 - 120
Hexachloroethane	32.0	24.2		ug/L		76	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	28.8		ug/L		90	69 - 146
Isophorone	32.0	30.3		ug/L		95	55 - 120
Naphthalene	32.0	25.8		ug/L		81	57 - 120
Nitrobenzene	32.0	28.4		ug/L		89	53 - 123
N-Nitrosodi-n-propylamine	32.0	31.8		ug/L		99	32 - 140
N-Nitrosodiphenylamine	32.0	29.9		ug/L		93	61 - 120
Pentachlorophenol	64.0	52.5		ug/L		82	29 - 136
Phenanthrene	32.0	30.8		ug/L		96	68 - 120
Phenol	32.0	19.7		ug/L		62	17 - 120
Pyrene	32.0	29.0		ug/L		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*81*		*41 - 120*
2-Fluorobiphenyl	*80*		*48 - 120*
2-Fluorophenol	*76*		*35 - 120*
Nitrobenzene-d5	*89*		*46 - 120*
Phenol-d5	*64*		*22 - 120*
p-Terphenyl-d14	*90*		*59 - 136*

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 367946

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	ND		32.0	30.1		ug/L		94	65 - 126
2,4,6-Trichlorophenol	ND		32.0	25.8		ug/L		81	64 - 120
2,4-Dichlorophenol	ND		32.0	27.6		ug/L		86	48 - 132
2,4-Dimethylphenol	ND		32.0	28.4		ug/L		89	39 - 130
2,4-Dinitrophenol	ND		64.0	56.5		ug/L		88	21 - 150
2,4-Dinitrotoluene	ND		32.0	28.6		ug/L		89	54 - 138
2,6-Dinitrotoluene	ND		32.0	28.1		ug/L		88	17 - 150
2-Chloronaphthalene	ND		32.0	25.3		ug/L		79	52 - 124
2-Chlorophenol	ND		32.0	26.7		ug/L		83	48 - 120
2-Methylnaphthalene	ND		32.0	25.0		ug/L		78	34 - 140
2-Methylphenol	ND		32.0	33.5		ug/L		105	46 - 120
2-Nitroaniline	ND		32.0	29.3		ug/L		91	44 - 136
2-Nitrophenol	ND		32.0	27.8		ug/L		87	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	51.8		ug/L		81	10 - 150
3-Nitroaniline	ND		32.0	25.1		ug/L		78	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	52.6		ug/L		82	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	26.9		ug/L		84	63 - 126
4-Chloro-3-methylphenol	ND		32.0	28.9		ug/L		90	64 - 127
4-Chloroaniline	ND		32.0	22.3		ug/L		70	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	27.6		ug/L		86	61 - 120
4-Methylphenol	ND		32.0	28.8		ug/L		90	36 - 120
4-Nitroaniline	ND		32.0	28.2		ug/L		88	32 - 150

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

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 367946

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	ND		64.0	48.4		ug/L		76	23 - 132
Acenaphthene	ND		32.0	26.1		ug/L		82	48 - 120
Acenaphthylene	ND		32.0	27.2		ug/L		85	63 - 120
Acetophenone	ND		32.0	28.2		ug/L		88	53 - 120
Anthracene	ND		32.0	28.8		ug/L		90	65 - 122
Atrazine	ND		64.0	58.7		ug/L		92	50 - 150
Benzaldehyde	ND		64.0	40.6		ug/L		63	10 - 150
Benzo(a)anthracene	ND		32.0	26.6		ug/L		83	43 - 124
Benzo(a)pyrene	ND		32.0	25.3		ug/L		79	23 - 125
Benzo(b)fluoranthene	ND		32.0	26.0		ug/L		81	27 - 127
Benzo(g,h,i)perylene	ND		32.0	24.0		ug/L		75	16 - 147
Benzo(k)fluoranthene	ND		32.0	25.1		ug/L		78	20 - 124
Biphenyl	ND		32.0	25.5		ug/L		80	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	33.2		ug/L		104	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	29.0		ug/L		90	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	27.7		ug/L		86	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	28.4		ug/L		89	16 - 150
Butyl benzyl phthalate	ND		32.0	35.4		ug/L		111	51 - 140
Caprolactam	ND		64.0	23.0		ug/L		36	10 - 120
Carbazole	ND		32.0	28.9		ug/L		90	16 - 148
Chrysene	ND		32.0	25.6		ug/L		80	44 - 122
Dibenz(a,h)anthracene	ND		32.0	24.1		ug/L		75	16 - 139
Dibenzofuran	ND		32.0	27.0		ug/L		85	60 - 120
Diethyl phthalate	ND		32.0	29.1		ug/L		91	53 - 133
Dimethyl phthalate	ND		32.0	27.9		ug/L		87	59 - 123
Di-n-butyl phthalate	ND		32.0	28.4		ug/L		89	65 - 129
Di-n-octyl phthalate	ND		32.0	24.6		ug/L		77	16 - 150
Fluoranthene	ND		32.0	28.5		ug/L		89	63 - 129
Fluorene	ND		32.0	27.7		ug/L		87	62 - 120
Hexachlorobenzene	ND		32.0	25.0		ug/L		78	57 - 121
Hexachlorobutadiene	ND		32.0	20.6		ug/L		64	37 - 120
Hexachlorocyclopentadiene	ND		32.0	18.1		ug/L		57	21 - 120
Hexachloroethane	ND		32.0	23.9		ug/L		75	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	23.9		ug/L		75	16 - 140
Isophorone	ND		32.0	28.8		ug/L		90	48 - 133
Naphthalene	ND		32.0	24.8		ug/L		77	45 - 120
Nitrobenzene	ND		32.0	29.5		ug/L		92	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	29.9		ug/L		93	49 - 120
N-Nitrosodiphenylamine	ND		32.0	28.8		ug/L		90	39 - 138
Pentachlorophenol	ND		64.0	51.9		ug/L		81	23 - 149
Phenanthrene	ND		32.0	29.9		ug/L		93	65 - 122
Phenol	ND		32.0	19.5		ug/L		61	16 - 120
Pyrene	ND		32.0	31.2		ug/L		98	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*78*		*41 - 120*
2-Fluorobiphenyl	*77*		*48 - 120*
2-Fluorophenol	*70*		*35 - 120*

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

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 367946

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 366840

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	86		46 - 120
Phenol-d5	60		22 - 120
p-Terphenyl-d14	85		59 - 136

Lab Sample ID: 480-120981-1 MSD
Matrix: Water
Analysis Batch: 367946

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		32.0	28.8		ug/L		90	65 - 126	4	18
2,4,6-Trichlorophenol	ND		32.0	24.8		ug/L		77	64 - 120	4	19
2,4-Dichlorophenol	ND		32.0	26.1		ug/L		82	48 - 132	6	19
2,4-Dimethylphenol	ND		32.0	27.1		ug/L		85	39 - 130	5	42
2,4-Dinitrophenol	ND		64.0	55.1		ug/L		86	21 - 150	3	22
2,4-Dinitrotoluene	ND		32.0	27.7		ug/L		87	54 - 138	3	20
2,6-Dinitrotoluene	ND		32.0	26.5		ug/L		83	17 - 150	6	15
2-Chloronaphthalene	ND		32.0	24.1		ug/L		75	52 - 124	5	21
2-Chlorophenol	ND		32.0	25.4		ug/L		79	48 - 120	5	25
2-Methylnaphthalene	ND		32.0	23.7		ug/L		74	34 - 140	6	21
2-Methylphenol	ND		32.0	31.5		ug/L		99	46 - 120	6	27
2-Nitroaniline	ND		32.0	28.1		ug/L		88	44 - 136	4	15
2-Nitrophenol	ND		32.0	25.9		ug/L		81	38 - 141	7	18
3,3'-Dichlorobenzidine	ND		64.0	51.2		ug/L		80	10 - 150	1	25
3-Nitroaniline	ND		32.0	23.8		ug/L		74	32 - 150	5	19
4,6-Dinitro-2-methylphenol	ND		64.0	50.7		ug/L		79	38 - 150	4	15
4-Bromophenyl phenyl ether	ND		32.0	25.4		ug/L		79	63 - 126	6	15
4-Chloro-3-methylphenol	ND		32.0	27.2		ug/L		85	64 - 127	6	27
4-Chloroaniline	ND		32.0	21.1		ug/L		66	16 - 124	6	22
4-Chlorophenyl phenyl ether	ND		32.0	26.0		ug/L		81	61 - 120	6	16
4-Methylphenol	ND		32.0	27.6		ug/L		86	36 - 120	4	24
4-Nitroaniline	ND		32.0	26.7		ug/L		83	32 - 150	5	24
4-Nitrophenol	ND		64.0	47.5		ug/L		74	23 - 132	2	48
Acenaphthene	ND		32.0	25.0		ug/L		78	48 - 120	4	24
Acenaphthylene	ND		32.0	25.8		ug/L		81	63 - 120	6	18
Acetophenone	ND		32.0	26.9		ug/L		84	53 - 120	5	20
Anthracene	ND		32.0	27.7		ug/L		86	65 - 122	4	15
Atrazine	ND		64.0	57.6		ug/L		90	50 - 150	2	20
Benzaldehyde	ND		64.0	38.2		ug/L		60	10 - 150	6	20
Benzo(a)anthracene	ND		32.0	25.6		ug/L		80	43 - 124	4	15
Benzo(a)pyrene	ND		32.0	23.5		ug/L		73	23 - 125	7	15
Benzo(b)fluoranthene	ND		32.0	24.0		ug/L		75	27 - 127	8	15
Benzo(g,h,i)perylene	ND		32.0	22.4		ug/L		70	16 - 147	7	15
Benzo(k)fluoranthene	ND		32.0	22.0		ug/L		69	20 - 124	13	22
Biphenyl	ND		32.0	24.1		ug/L		75	57 - 120	6	20
bis (2-chloroisopropyl) ether	ND		32.0	31.0		ug/L		97	28 - 121	7	24
Bis(2-chloroethoxy)methane	ND		32.0	27.2		ug/L		85	44 - 128	6	17
Bis(2-chloroethyl)ether	ND		32.0	26.0		ug/L		81	45 - 120	6	21
Bis(2-ethylhexyl) phthalate	ND		32.0	24.4		ug/L		76	16 - 150	15	15

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

Lab Sample ID: 480-120981-1 MSD
Matrix: Water
Analysis Batch: 367946

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 366840

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	ND		32.0	30.1		ug/L		94	51 - 140	16	16
Caprolactam	ND		64.0	22.2		ug/L		35	10 - 120	3	20
Carbazole	ND		32.0	28.0		ug/L		88	16 - 148	3	20
Chrysene	ND		32.0	24.5		ug/L		77	44 - 122	4	15
Dibenz(a,h)anthracene	ND		32.0	22.5		ug/L		70	16 - 139	7	15
Dibenzofuran	ND		32.0	26.1		ug/L		82	60 - 120	4	15
Diethyl phthalate	ND		32.0	27.9		ug/L		87	53 - 133	4	15
Dimethyl phthalate	ND		32.0	26.5		ug/L		83	59 - 123	5	15
Di-n-butyl phthalate	ND		32.0	27.2		ug/L		85	65 - 129	4	15
Di-n-octyl phthalate	ND		32.0	24.2		ug/L		75	16 - 150	2	16
Fluoranthene	ND		32.0	27.7		ug/L		86	63 - 129	3	15
Fluorene	ND		32.0	26.5		ug/L		83	62 - 120	4	15
Hexachlorobenzene	ND		32.0	23.6		ug/L		74	57 - 121	6	15
Hexachlorobutadiene	ND		32.0	19.4		ug/L		61	37 - 120	6	44
Hexachlorocyclopentadiene	ND		32.0	16.8		ug/L		52	21 - 120	7	49
Hexachloroethane	ND		32.0	21.9		ug/L		68	16 - 130	9	46
Indeno(1,2,3-cd)pyrene	ND		32.0	22.2		ug/L		69	16 - 140	7	15
Isophorone	ND		32.0	27.4		ug/L		86	48 - 133	5	17
Naphthalene	ND		32.0	23.2		ug/L		72	45 - 120	7	29
Nitrobenzene	ND		32.0	27.2		ug/L		85	45 - 123	8	24
N-Nitrosodi-n-propylamine	ND		32.0	28.7		ug/L		90	49 - 120	4	31
N-Nitrosodiphenylamine	ND		32.0	27.6		ug/L		86	39 - 138	4	15
Pentachlorophenol	ND		64.0	50.3		ug/L		79	23 - 149	3	37
Phenanthrene	ND		32.0	28.6		ug/L		89	65 - 122	4	15
Phenol	ND		32.0	18.4		ug/L		58	16 - 120	6	34
Pyrene	ND		32.0	26.6		ug/L		83	58 - 128	16	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*77*		*41 - 120*
2-Fluorobiphenyl	*72*		*48 - 120*
2-Fluorophenol	*67*		*35 - 120*
Nitrobenzene-d5	*80*		*46 - 120*
Phenol-d5	*59*		*22 - 120*
p-Terphenyl-d14	*73*		*59 - 136*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-367910/1-A
Matrix: Water
Analysis Batch: 368109

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 367910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/20/17 10:51	07/21/17 09:44	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 480-367910/2-A
Matrix: Water
Analysis Batch: 368109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 367910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.259		mg/L		104	90 - 110

Lab Sample ID: 480-120981-1 MS
Matrix: Water
Analysis Batch: 368109

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 367910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0089	J	0.100	0.105		mg/L		96	90 - 110

Lab Sample ID: 480-120981-1 MSD
Matrix: Water
Analysis Batch: 368109

Client Sample ID: MW-2 071117
Prep Type: Total/NA
Prep Batch: 367910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0089	J	0.100	0.103		mg/L		94	90 - 110	2	15

Lab Sample ID: MB 480-368076/1-A
Matrix: Water
Analysis Batch: 368150

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/17 08:10	07/21/17 14:04	1

Lab Sample ID: LCS 480-368076/2-A
Matrix: Water
Analysis Batch: 368150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.413		mg/L		103	90 - 110

Lab Sample ID: LCS 480-368076/3-A
Matrix: Water
Analysis Batch: 368150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.265		mg/L		106	90 - 110

GC/MS VOA

Analysis Batch: 368042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-1	MW-2 071117	Total/NA	Water	8260C	
480-120981-2	MW-2I 071117	Total/NA	Water	8260C	
480-120981-3	MW-38I 071117	Total/NA	Water	8260C	
480-120981-4	MW-38 071117	Total/NA	Water	8260C	
480-120981-5	MW-39D 071117	Total/NA	Water	8260C	
MB 480-368042/6	Method Blank	Total/NA	Water	8260C	
LCS 480-368042/4	Lab Control Sample	Total/NA	Water	8260C	
480-120981-1 MS	MW-2 071117	Total/NA	Water	8260C	
480-120981-1 MSD	MW-2 071117	Total/NA	Water	8260C	

Analysis Batch: 368195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-6	MW-17 071217	Total/NA	Water	8260C	
480-120981-7	MW-17I 071217	Total/NA	Water	8260C	
480-120981-8	MW-17D 071217	Total/NA	Water	8260C	
480-120981-9	MW-20D 071217	Total/NA	Water	8260C	
480-120981-10	TRIP BLANK	Total/NA	Water	8260C	
MB 480-368195/6	Method Blank	Total/NA	Water	8260C	
LCS 480-368195/4	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 366840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-1	MW-2 071117	Total/NA	Water	3510C	
480-120981-2	MW-2I 071117	Total/NA	Water	3510C	
480-120981-3	MW-38I 071117	Total/NA	Water	3510C	
480-120981-4	MW-38 071117	Total/NA	Water	3510C	
480-120981-5	MW-39D 071117	Total/NA	Water	3510C	
480-120981-6	MW-17 071217	Total/NA	Water	3510C	
480-120981-7	MW-17I 071217	Total/NA	Water	3510C	
480-120981-8	MW-17D 071217	Total/NA	Water	3510C	
480-120981-9	MW-20D 071217	Total/NA	Water	3510C	
MB 480-366840/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-366840/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-120981-1 MS	MW-2 071117	Total/NA	Water	3510C	
480-120981-1 MSD	MW-2 071117	Total/NA	Water	3510C	

Analysis Batch: 367946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-1	MW-2 071117	Total/NA	Water	8270D	366840
MB 480-366840/1-A	Method Blank	Total/NA	Water	8270D	366840
LCS 480-366840/2-A	Lab Control Sample	Total/NA	Water	8270D	366840
480-120981-1 MS	MW-2 071117	Total/NA	Water	8270D	366840
480-120981-1 MSD	MW-2 071117	Total/NA	Water	8270D	366840

Analysis Batch: 367947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-2	MW-2I 071117	Total/NA	Water	8270D	366840
480-120981-3	MW-38I 071117	Total/NA	Water	8270D	366840

GC/MS Semi VOA (Continued)

Analysis Batch: 367947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-4	MW-38 071117	Total/NA	Water	8270D	366840
480-120981-5	MW-39D 071117	Total/NA	Water	8270D	366840
480-120981-6	MW-17 071217	Total/NA	Water	8270D	366840
480-120981-7	MW-17I 071217	Total/NA	Water	8270D	366840
480-120981-8	MW-17D 071217	Total/NA	Water	8270D	366840
480-120981-9	MW-20D 071217	Total/NA	Water	8270D	366840

General Chemistry

Prep Batch: 367910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-1	MW-2 071117	Total/NA	Water	9012B	
480-120981-2	MW-2I 071117	Total/NA	Water	9012B	
480-120981-3	MW-38I 071117	Total/NA	Water	9012B	
480-120981-4	MW-38 071117	Total/NA	Water	9012B	
480-120981-5	MW-39D 071117	Total/NA	Water	9012B	
MB 480-367910/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-367910/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-120981-1 MS	MW-2 071117	Total/NA	Water	9012B	
480-120981-1 MSD	MW-2 071117	Total/NA	Water	9012B	

Prep Batch: 368076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-6	MW-17 071217	Total/NA	Water	9012B	
480-120981-7	MW-17I 071217	Total/NA	Water	9012B	
480-120981-8	MW-17D 071217	Total/NA	Water	9012B	
480-120981-9	MW-20D 071217	Total/NA	Water	9012B	
MB 480-368076/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-368076/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-368076/3-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 368109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-1	MW-2 071117	Total/NA	Water	9012B	367910
480-120981-2	MW-2I 071117	Total/NA	Water	9012B	367910
480-120981-3	MW-38I 071117	Total/NA	Water	9012B	367910
480-120981-4	MW-38 071117	Total/NA	Water	9012B	367910
480-120981-5	MW-39D 071117	Total/NA	Water	9012B	367910
MB 480-367910/1-A	Method Blank	Total/NA	Water	9012B	367910
LCS 480-367910/2-A	Lab Control Sample	Total/NA	Water	9012B	367910
480-120981-1 MS	MW-2 071117	Total/NA	Water	9012B	367910
480-120981-1 MSD	MW-2 071117	Total/NA	Water	9012B	367910

Analysis Batch: 368150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120981-6	MW-17 071217	Total/NA	Water	9012B	368076
480-120981-7	MW-17I 071217	Total/NA	Water	9012B	368076
480-120981-8	MW-17D 071217	Total/NA	Water	9012B	368076
480-120981-9	MW-20D 071217	Total/NA	Water	9012B	368076
MB 480-368076/1-A	Method Blank	Total/NA	Water	9012B	368076

General Chemistry (Continued)

Analysis Batch: 368150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-368076/2-A	Lab Control Sample	Total/NA	Water	9012B	368076
LCS 480-368076/3-A	Lab Control Sample	Total/NA	Water	9012B	368076

Lab Chronicle

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-2 071117

Lab Sample ID: 480-120981-1

Date Collected: 07/11/17 10:06
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368042	07/21/17 16:03	RRS	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367946	07/20/17 22:39	DMR	TAL BUF
Total/NA	Prep	9012B			367910	07/20/17 10:51	JCL	TAL BUF
Total/NA	Analysis	9012B		1	368109	07/21/17 09:52	KRT	TAL BUF

Client Sample ID: MW-2I 071117

Lab Sample ID: 480-120981-2

Date Collected: 07/11/17 11:48
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368042	07/21/17 16:27	RRS	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 17:26	DMR	TAL BUF
Total/NA	Prep	9012B			367910	07/20/17 10:51	JCL	TAL BUF
Total/NA	Analysis	9012B		1	368109	07/21/17 09:56	KRT	TAL BUF

Client Sample ID: MW-38I 071117

Lab Sample ID: 480-120981-3

Date Collected: 07/11/17 13:35
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368042	07/21/17 16:50	RRS	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 17:56	DMR	TAL BUF
Total/NA	Prep	9012B			367910	07/20/17 10:51	JCL	TAL BUF
Total/NA	Analysis	9012B		1	368109	07/21/17 10:01	KRT	TAL BUF

Client Sample ID: MW-38 071117

Lab Sample ID: 480-120981-4

Date Collected: 07/11/17 15:02
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368042	07/21/17 17:13	RRS	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 18:26	DMR	TAL BUF
Total/NA	Prep	9012B			367910	07/20/17 10:51	JCL	TAL BUF
Total/NA	Analysis	9012B		1	368109	07/21/17 10:02	KRT	TAL BUF

Client Sample ID: MW-39D 071117

Lab Sample ID: 480-120981-5

Date Collected: 07/11/17 17:03

Matrix: Water

Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368042	07/21/17 17:36	RRS	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 18:55	DMR	TAL BUF
Total/NA	Prep	9012B			367910	07/20/17 10:51	JCL	TAL BUF
Total/NA	Analysis	9012B		1	368109	07/21/17 10:04	KRT	TAL BUF

Client Sample ID: MW-17 071217

Lab Sample ID: 480-120981-6

Date Collected: 07/12/17 10:20

Matrix: Water

Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368195	07/22/17 02:11	NEA	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 19:25	DMR	TAL BUF
Total/NA	Prep	9012B			368076	07/21/17 08:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	368150	07/21/17 14:27	KRT	TAL BUF

Client Sample ID: MW-17I 071217

Lab Sample ID: 480-120981-7

Date Collected: 07/12/17 12:35

Matrix: Water

Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368195	07/22/17 02:39	NEA	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 19:54	DMR	TAL BUF
Total/NA	Prep	9012B			368076	07/21/17 08:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	368150	07/21/17 14:29	KRT	TAL BUF

Client Sample ID: MW-17D 071217

Lab Sample ID: 480-120981-8

Date Collected: 07/12/17 13:59

Matrix: Water

Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368195	07/22/17 03:06	NEA	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 20:24	DMR	TAL BUF
Total/NA	Prep	9012B			368076	07/21/17 08:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	368150	07/21/17 14:30	KRT	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Client Sample ID: MW-20D 071217

Lab Sample ID: 480-120981-9

Date Collected: 07/12/17 16:22
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368195	07/22/17 03:33	NEA	TAL BUF
Total/NA	Prep	3510C			366840	07/13/17 14:29	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367947	07/21/17 20:54	DMR	TAL BUF
Total/NA	Prep	9012B			368076	07/21/17 08:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	368150	07/21/17 14:31	KRT	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120981-10

Date Collected: 07/12/17 00:00
Matrix: Water
Date Received: 07/13/17 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368195	07/22/17 04:00	NEA	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM, Inc.
TestAmerica Job ID: 480-120981-1
Project/Site: NYSEG - Mechanicville MGP Site

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-120981-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-120981-1	MW-2 071117	Water	07/11/17 10:06	07/13/17 01:30
480-120981-2	MW-2I 071117	Water	07/11/17 11:48	07/13/17 01:30
480-120981-3	MW-38I 071117	Water	07/11/17 13:35	07/13/17 01:30
480-120981-4	MW-38 071117	Water	07/11/17 15:02	07/13/17 01:30
480-120981-5	MW-39D 071117	Water	07/11/17 17:03	07/13/17 01:30
480-120981-6	MW-17 071217	Water	07/12/17 10:20	07/13/17 01:30
480-120981-7	MW-17I 071217	Water	07/12/17 12:35	07/13/17 01:30
480-120981-8	MW-17D 071217	Water	07/12/17 13:59	07/13/17 01:30
480-120981-9	MW-20D 071217	Water	07/12/17 16:22	07/13/17 01:30
480-120981-10	TRIP BLANK	Water	07/12/17 00:00	07/13/17 01:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-120981 COC

Client Information	Sampler: Chris French	Lab PM: Deyo, Melissa L	COC No: 480-99714-23732.1
Client Contact: John Santacroce	Phone: 518-860-3855	E-Mail: melissa.deyo@testamericainc.com	Page: Page 1 of 2
Company: AECOM, Inc.			Job #:
Address: 40 British American Blvd	Due Date Requested: STD		
City: Latham	TAT Requested (days): Standard		
State, Zip: NY, 12110			
Phone: 518-951-2200	PO #: 4503928293		
Email: John.Santacroce@aecom.com	WO #: Mechanicville MGP/Tracy L. Blazicek		
Project Name: NYSEG MGP Mechanicville North Central Av	Project #: 48005676		
Site: NYSEG Mechanicville	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOCs	8260C - TCL VOCs	9012B - Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	B		
MW-2 071117	7/11/17	1006	G	Water	N	Y	X	X	X		Extra Volume Collected for MS/MSD
MW-2I 071117		1148		Water		N					
MW-38I 071117		1335		Water							
MW-38 071117		1502		Water							
MW-39D 071117		1703		Water							
MW-17 071217	7/12/17	1020		Water							
MW-17I 071217		1235		Water							
MW-17D 071217		1359		Water							
MW-20D 071217		1622		Water							
Trip Blank	—	—	AQ	Water					X (C.O.C.)		
				Water							

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/12/17 1715	AECOM	[signature]	7-12-17 1715	TA
[signature]	7-12-17 1800		[signature]	7-13-17 0130	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1, 1.2 #1

7/26/2017

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-120981-1

Login Number: 120981

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-121054-1
Client Project/Site: NYSEG - Mechanicville MGP Site

For:
AECOM, Inc.
40 British American Blvd
Latham, New York 12110

Attn: John Santacroce

Authorized for release by:
7/28/2017 9:29:44 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

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.

General Chemistry

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

Glossary

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

Job ID: 480-121054-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-121054-1

Receipt
The samples were received on 7/14/2017 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-368214 recovered above the upper control limit for 2-Butanone. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-36I-071317 (480-121054-1), MW-36D-071317 (480-121054-2) and MW-40D-071317 (480-121054-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-368267 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: DUP-1 071317 (480-121054-4) and TRIP BLANK (480-121054-5).

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-367745 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-36I-071317 (480-121054-1) and MW-36D-071317 (480-121054-2).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-367946 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-40D-071317 (480-121054-3) and DUP-1 071317 (480-121054-4).

Method(s) 8270D: The method blank for preparation batch 480-367052 contained Bis(2-ethylhexyl)phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed. The following samples are impacted:MW-36I-071317 (480-121054-1), MW-36D-071317 (480-121054-2), MW-40D-071317 (480-121054-3) and DUP-1 071317 (480-121054-4).

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

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

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

Detection Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36I-071317 — Lab Sample ID: 480-121054-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.44	J	5.0	0.31	ug/L	1		8270D	Total/NA
Phenol	0.76	J	5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: MW-36D-071317 — Lab Sample ID: 480-121054-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.59	J	5.0	0.31	ug/L	1		8270D	Total/NA
Cyanide, Total	0.0068	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-40D-071317 — Lab Sample ID: 480-121054-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.48	J	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: DUP-1 071317 — Lab Sample ID: 480-121054-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.69	J	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-121054-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36I-071317
Date Collected: 07/13/17 10:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 18:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 18:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 18:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 18:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 18:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 18:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 18:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 18:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 18:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 18:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 18:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 18:14	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 18:14	1
Acetone	ND		10	3.0	ug/L			07/22/17 18:14	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 18:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 18:14	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 18:14	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 18:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 18:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 18:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 18:14	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 18:14	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 18:14	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 18:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 18:14	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 18:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 18:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 18:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 18:14	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 18:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 18:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 18:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 18:14	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 18:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 18:14	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 18:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 18:14	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 18:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 18:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 18:14	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36I-071317
Date Collected: 07/13/17 10:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/22/17 18:14*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*07/22/17 18:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/22/17 18:14*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*07/22/17 18:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:02	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Nitroaniline	ND		10	0.42	ug/L		07/14/17 14:10	07/20/17 03:02	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 03:02	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:02	1
3-Nitroaniline	ND		10	0.48	ug/L		07/14/17 14:10	07/20/17 03:02	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Methylphenol	ND		10	0.36	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Nitroaniline	ND		10	0.25	ug/L		07/14/17 14:10	07/20/17 03:02	1
4-Nitrophenol	ND		10	1.5	ug/L		07/14/17 14:10	07/20/17 03:02	1
Acenaphthene	ND		5.0	0.41	ug/L		07/14/17 14:10	07/20/17 03:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/14/17 14:10	07/20/17 03:02	1
Acetophenone	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 03:02	1
Anthracene	ND		5.0	0.28	ug/L		07/14/17 14:10	07/20/17 03:02	1
Atrazine	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:02	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/14/17 14:10	07/20/17 03:02	1
Biphenyl	ND		5.0	0.65	ug/L		07/14/17 14:10	07/20/17 03:02	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/14/17 14:10	07/20/17 03:02	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:02	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 03:02	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/14/17 14:10	07/20/17 03:02	1
Caprolactam	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 03:02	1
Carbazole	ND		5.0	0.30	ug/L		07/14/17 14:10	07/20/17 03:02	1
Chrysene	ND		5.0	0.33	ug/L		07/14/17 14:10	07/20/17 03:02	1

Client Sample ID: MW-36I-071317

Lab Sample ID: 480-121054-1

Date Collected: 07/13/17 10:00

Matrix: Water

Date Received: 07/14/17 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/14/17 14:10	07/20/17 03:02	1
Dibenzofuran	ND		10	0.51	ug/L		07/14/17 14:10	07/20/17 03:02	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/14/17 14:10	07/20/17 03:02	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:02	1
Di-n-butyl phthalate	**0.44**	**J**	5.0	0.31	ug/L		07/14/17 14:10	07/20/17 03:02	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:02	1
Fluoranthene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:02	1
Fluorene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:02	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:02	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/14/17 14:10	07/20/17 03:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:02	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:02	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:02	1
Isophorone	ND		5.0	0.43	ug/L		07/14/17 14:10	07/20/17 03:02	1
Naphthalene	ND		5.0	0.76	ug/L		07/14/17 14:10	07/20/17 03:02	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/14/17 14:10	07/20/17 03:02	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 03:02	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:02	1
Pentachlorophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:02	1
Phenanthrene	ND		5.0	0.44	ug/L		07/14/17 14:10	07/20/17 03:02	1
Phenol	**0.76**	**J**	5.0	0.39	ug/L		07/14/17 14:10	07/20/17 03:02	1
Pyrene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*41 - 120*	*07/14/17 14:10*	*07/20/17 03:02*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*07/14/17 14:10*	*07/20/17 03:02*	*1*
2-Fluorophenol	*71*		*35 - 120*	*07/14/17 14:10*	*07/20/17 03:02*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*07/14/17 14:10*	*07/20/17 03:02*	*1*
Phenol-d5	*59*		*22 - 120*	*07/14/17 14:10*	*07/20/17 03:02*	*1*
p-Terphenyl-d14	*86*		*59 - 136*	*07/14/17 14:10*	*07/20/17 03:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/25/17 11:00	07/26/17 10:17	1

Client Sample ID: MW-36D-071317

Lab Sample ID: 480-121054-2

Date Collected: 07/13/17 11:24

Matrix: Water

Date Received: 07/14/17 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 18:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 18:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 18:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 18:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 18:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 18:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 18:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 18:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 18:38	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36D-071317
Date Collected: 07/13/17 11:24
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 18:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 18:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 18:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 18:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 18:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 18:38	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 18:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 18:38	1
Acetone	ND		10	3.0	ug/L			07/22/17 18:38	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 18:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 18:38	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 18:38	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 18:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 18:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 18:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 18:38	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 18:38	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 18:38	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 18:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 18:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 18:38	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 18:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 18:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 18:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 18:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 18:38	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 18:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 18:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 18:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 18:38	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 18:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 18:38	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 18:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 18:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 18:38	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 18:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 18:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 18:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/22/17 18:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*07/22/17 18:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*07/22/17 18:38*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/22/17 18:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 03:32	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/14/17 14:10	07/20/17 03:32	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36D-071317
Date Collected: 07/13/17 11:24
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:32	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/14/17 14:10	07/20/17 03:32	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:32	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:32	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Nitroaniline	ND		10	0.42	ug/L		07/14/17 14:10	07/20/17 03:32	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 03:32	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:32	1
3-Nitroaniline	ND		10	0.48	ug/L		07/14/17 14:10	07/20/17 03:32	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Methylphenol	ND		10	0.36	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Nitroaniline	ND		10	0.25	ug/L		07/14/17 14:10	07/20/17 03:32	1
4-Nitrophenol	ND		10	1.5	ug/L		07/14/17 14:10	07/20/17 03:32	1
Acenaphthene	ND		5.0	0.41	ug/L		07/14/17 14:10	07/20/17 03:32	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/14/17 14:10	07/20/17 03:32	1
Acetophenone	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 03:32	1
Anthracene	ND		5.0	0.28	ug/L		07/14/17 14:10	07/20/17 03:32	1
Atrazine	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:32	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/14/17 14:10	07/20/17 03:32	1
Biphenyl	ND		5.0	0.65	ug/L		07/14/17 14:10	07/20/17 03:32	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/14/17 14:10	07/20/17 03:32	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 03:32	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:32	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 03:32	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/14/17 14:10	07/20/17 03:32	1
Caprolactam	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 03:32	1
Carbazole	ND		5.0	0.30	ug/L		07/14/17 14:10	07/20/17 03:32	1
Chrysene	ND		5.0	0.33	ug/L		07/14/17 14:10	07/20/17 03:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/14/17 14:10	07/20/17 03:32	1
Dibenzofuran	ND		10	0.51	ug/L		07/14/17 14:10	07/20/17 03:32	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/14/17 14:10	07/20/17 03:32	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:32	1
Di-n-butyl phthalate	**0.59**	**J**	5.0	0.31	ug/L		07/14/17 14:10	07/20/17 03:32	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:32	1
Fluoranthene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 03:32	1
Fluorene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 03:32	1

Client Sample ID: MW-36D-071317

Lab Sample ID: 480-121054-2

Date Collected: 07/13/17 11:24

Matrix: Water

Date Received: 07/14/17 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:32	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/14/17 14:10	07/20/17 03:32	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:32	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 03:32	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 03:32	1
Isophorone	ND		5.0	0.43	ug/L		07/14/17 14:10	07/20/17 03:32	1
Naphthalene	ND		5.0	0.76	ug/L		07/14/17 14:10	07/20/17 03:32	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/14/17 14:10	07/20/17 03:32	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 03:32	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 03:32	1
Pentachlorophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 03:32	1
Phenanthrene	ND		5.0	0.44	ug/L		07/14/17 14:10	07/20/17 03:32	1
Phenol	ND		5.0	0.39	ug/L		07/14/17 14:10	07/20/17 03:32	1
Pyrene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*41 - 120*	*07/14/17 14:10*	*07/20/17 03:32*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*07/14/17 14:10*	*07/20/17 03:32*	*1*
2-Fluorophenol	*68*		*35 - 120*	*07/14/17 14:10*	*07/20/17 03:32*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*07/14/17 14:10*	*07/20/17 03:32*	*1*
Phenol-d5	*56*		*22 - 120*	*07/14/17 14:10*	*07/20/17 03:32*	*1*
p-Terphenyl-d14	*85*		*59 - 136*	*07/14/17 14:10*	*07/20/17 03:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0068**	**J**	0.010	0.0050	mg/L		07/25/17 11:00	07/26/17 10:19	1

Client Sample ID: MW-40D-071317

Lab Sample ID: 480-121054-3

Date Collected: 07/13/17 13:17

Matrix: Water

Date Received: 07/14/17 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 19:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 19:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 19:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 19:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 19:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 19:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 19:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 19:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 19:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 19:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 19:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 19:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 19:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 19:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 19:01	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 19:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 19:01	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-40D-071317
Date Collected: 07/13/17 13:17
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			07/22/17 19:01	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 19:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 19:01	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 19:01	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 19:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 19:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 19:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 19:01	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 19:01	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 19:01	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 19:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 19:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 19:01	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 19:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 19:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 19:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 19:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 19:01	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 19:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 19:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 19:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 19:01	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 19:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 19:01	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 19:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 19:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 19:01	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 19:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 19:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 19:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/22/17 19:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/22/17 19:01*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/22/17 19:01*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*07/22/17 19:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 16:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 16:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 16:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/14/17 14:10	07/20/17 16:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/14/17 14:10	07/20/17 16:48	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-40D-071317
Date Collected: 07/13/17 13:17
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 16:48	1
2-Nitroaniline	ND		10	0.42	ug/L		07/14/17 14:10	07/20/17 16:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 16:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 16:48	1
3-Nitroaniline	ND		10	0.48	ug/L		07/14/17 14:10	07/20/17 16:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Methylphenol	ND		10	0.36	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Nitroaniline	ND		10	0.25	ug/L		07/14/17 14:10	07/20/17 16:48	1
4-Nitrophenol	ND		10	1.5	ug/L		07/14/17 14:10	07/20/17 16:48	1
Acenaphthene	ND		5.0	0.41	ug/L		07/14/17 14:10	07/20/17 16:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/14/17 14:10	07/20/17 16:48	1
Acetophenone	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 16:48	1
Anthracene	ND		5.0	0.28	ug/L		07/14/17 14:10	07/20/17 16:48	1
Atrazine	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 16:48	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/14/17 14:10	07/20/17 16:48	1
Biphenyl	ND		5.0	0.65	ug/L		07/14/17 14:10	07/20/17 16:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/14/17 14:10	07/20/17 16:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 16:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 16:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 16:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/14/17 14:10	07/20/17 16:48	1
Caprolactam	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 16:48	1
Carbazole	ND		5.0	0.30	ug/L		07/14/17 14:10	07/20/17 16:48	1
Chrysene	ND		5.0	0.33	ug/L		07/14/17 14:10	07/20/17 16:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/14/17 14:10	07/20/17 16:48	1
Dibenzofuran	ND		10	0.51	ug/L		07/14/17 14:10	07/20/17 16:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/14/17 14:10	07/20/17 16:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 16:48	1
Di-n-butyl phthalate	**0.48**	**J**	5.0	0.31	ug/L		07/14/17 14:10	07/20/17 16:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 16:48	1
Fluoranthene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 16:48	1
Fluorene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 16:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 16:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/14/17 14:10	07/20/17 16:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 16:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 16:48	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 16:48	1
Isophorone	ND		5.0	0.43	ug/L		07/14/17 14:10	07/20/17 16:48	1
Naphthalene	ND		5.0	0.76	ug/L		07/14/17 14:10	07/20/17 16:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/14/17 14:10	07/20/17 16:48	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-40D-071317

Lab Sample ID: 480-121054-3

Date Collected: 07/13/17 13:17
Matrix: Water
Date Received: 07/14/17 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 16:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 16:48	1
Pentachlorophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 16:48	1
Phenanthrene	ND		5.0	0.44	ug/L		07/14/17 14:10	07/20/17 16:48	1
Phenol	ND		5.0	0.39	ug/L		07/14/17 14:10	07/20/17 16:48	1
Pyrene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*41 - 120*	*07/14/17 14:10*	*07/20/17 16:48*	*1*
2-Fluorobiphenyl	*60*		*48 - 120*	*07/14/17 14:10*	*07/20/17 16:48*	*1*
2-Fluorophenol	*54*		*35 - 120*	*07/14/17 14:10*	*07/20/17 16:48*	*1*
Nitrobenzene-d5	*66*		*46 - 120*	*07/14/17 14:10*	*07/20/17 16:48*	*1*
Phenol-d5	*45*		*22 - 120*	*07/14/17 14:10*	*07/20/17 16:48*	*1*
p-Terphenyl-d14	*76*		*59 - 136*	*07/14/17 14:10*	*07/20/17 16:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/25/17 11:00	07/26/17 10:20	1

Client Sample ID: DUP-1 071317

Lab Sample ID: 480-121054-4

Date Collected: 07/13/17 00:00
Matrix: Water
Date Received: 07/14/17 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/23/17 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/23/17 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/23/17 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/23/17 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/23/17 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/23/17 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/23/17 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/23/17 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/23/17 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/23/17 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/23/17 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/23/17 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/23/17 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/23/17 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/17 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			07/23/17 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/23/17 16:01	1
Acetone	**3.2**	**J**	10	3.0	ug/L			07/23/17 16:01	1
Benzene	ND		1.0	0.41	ug/L			07/23/17 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/23/17 16:01	1
Bromoform	ND		1.0	0.26	ug/L			07/23/17 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			07/23/17 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/23/17 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/23/17 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/23/17 16:01	1

Client Sample ID: DUP-1 071317
Date Collected: 07/13/17 00:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			07/23/17 16:01	1
Chloroform	ND		1.0	0.34	ug/L			07/23/17 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			07/23/17 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/23/17 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/23/17 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			07/23/17 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/23/17 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/23/17 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/23/17 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/23/17 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			07/23/17 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/23/17 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/23/17 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/23/17 16:01	1
Styrene	ND		1.0	0.73	ug/L			07/23/17 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/23/17 16:01	1
Toluene	ND		1.0	0.51	ug/L			07/23/17 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/23/17 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/23/17 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			07/23/17 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/23/17 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/17 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/23/17 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*07/23/17 16:01*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*07/23/17 16:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/23/17 16:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/23/17 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 17:17	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Nitroaniline	ND		10	0.42	ug/L		07/14/17 14:10	07/20/17 17:17	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/20/17 17:17	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 17:17	1
3-Nitroaniline	ND		10	0.48	ug/L		07/14/17 14:10	07/20/17 17:17	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/14/17 14:10	07/20/17 17:17	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: DUP-1 071317
Date Collected: 07/13/17 00:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Methylphenol	ND		10	0.36	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Nitroaniline	ND		10	0.25	ug/L		07/14/17 14:10	07/20/17 17:17	1
4-Nitrophenol	ND		10	1.5	ug/L		07/14/17 14:10	07/20/17 17:17	1
Acenaphthene	ND		5.0	0.41	ug/L		07/14/17 14:10	07/20/17 17:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/14/17 14:10	07/20/17 17:17	1
Acetophenone	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 17:17	1
Anthracene	ND		5.0	0.28	ug/L		07/14/17 14:10	07/20/17 17:17	1
Atrazine	ND		5.0	0.46	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 17:17	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/14/17 14:10	07/20/17 17:17	1
Biphenyl	ND		5.0	0.65	ug/L		07/14/17 14:10	07/20/17 17:17	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/14/17 14:10	07/20/17 17:17	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/14/17 14:10	07/20/17 17:17	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 17:17	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 17:17	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/14/17 14:10	07/20/17 17:17	1
Caprolactam	ND		5.0	2.2	ug/L		07/14/17 14:10	07/20/17 17:17	1
Carbazole	ND		5.0	0.30	ug/L		07/14/17 14:10	07/20/17 17:17	1
Chrysene	ND		5.0	0.33	ug/L		07/14/17 14:10	07/20/17 17:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/14/17 14:10	07/20/17 17:17	1
Dibenzofuran	ND		10	0.51	ug/L		07/14/17 14:10	07/20/17 17:17	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/14/17 14:10	07/20/17 17:17	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 17:17	1
Di-n-butyl phthalate	**0.69**	**J**	5.0	0.31	ug/L		07/14/17 14:10	07/20/17 17:17	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 17:17	1
Fluoranthene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/20/17 17:17	1
Fluorene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/20/17 17:17	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 17:17	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/14/17 14:10	07/20/17 17:17	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 17:17	1
Hexachloroethane	ND		5.0	0.59	ug/L		07/14/17 14:10	07/20/17 17:17	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/20/17 17:17	1
Isophorone	ND		5.0	0.43	ug/L		07/14/17 14:10	07/20/17 17:17	1
Naphthalene	ND		5.0	0.76	ug/L		07/14/17 14:10	07/20/17 17:17	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/14/17 14:10	07/20/17 17:17	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/14/17 14:10	07/20/17 17:17	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/14/17 14:10	07/20/17 17:17	1
Pentachlorophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/20/17 17:17	1
Phenanthrene	ND		5.0	0.44	ug/L		07/14/17 14:10	07/20/17 17:17	1
Phenol	ND		5.0	0.39	ug/L		07/14/17 14:10	07/20/17 17:17	1
Pyrene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/20/17 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*41 - 120*	*07/14/17 14:10*	*07/20/17 17:17*	*1*

Client Sample ID: DUP-1 071317

Lab Sample ID: 480-121054-4

Date Collected: 07/13/17 00:00

Matrix: Water

Date Received: 07/14/17 02:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*48 - 120*	*07/14/17 14:10*	*07/20/17 17:17*	*1*
2-Fluorophenol	*65*		*35 - 120*	*07/14/17 14:10*	*07/20/17 17:17*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*07/14/17 14:10*	*07/20/17 17:17*	*1*
Phenol-d5	*55*		*22 - 120*	*07/14/17 14:10*	*07/20/17 17:17*	*1*
p-Terphenyl-d14	*83*		*59 - 136*	*07/14/17 14:10*	*07/20/17 17:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/25/17 11:00	07/26/17 10:22	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-121054-5

Date Collected: 07/13/17 00:00

Matrix: Water

Date Received: 07/14/17 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/23/17 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/23/17 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/23/17 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/23/17 16:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/23/17 16:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/23/17 16:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/23/17 16:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/23/17 16:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/23/17 16:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/23/17 16:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/23/17 16:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/23/17 16:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/23/17 16:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/23/17 16:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/17 16:24	1
2-Hexanone	ND		5.0	1.2	ug/L			07/23/17 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/23/17 16:24	1
Acetone	**4.8**	**J**	10	3.0	ug/L			07/23/17 16:24	1
Benzene	ND		1.0	0.41	ug/L			07/23/17 16:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/23/17 16:24	1
Bromoform	ND		1.0	0.26	ug/L			07/23/17 16:24	1
Bromomethane	ND		1.0	0.69	ug/L			07/23/17 16:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/23/17 16:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/23/17 16:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/23/17 16:24	1
Chloroethane	ND		1.0	0.32	ug/L			07/23/17 16:24	1
Chloroform	ND		1.0	0.34	ug/L			07/23/17 16:24	1
Chloromethane	ND		1.0	0.35	ug/L			07/23/17 16:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/23/17 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/23/17 16:24	1
Cyclohexane	ND		1.0	0.18	ug/L			07/23/17 16:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/23/17 16:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/23/17 16:24	1

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: TRIP BLANK
Date Collected: 07/13/17 00:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			07/23/17 16:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/23/17 16:24	1
Methyl acetate	ND		2.5	1.3	ug/L			07/23/17 16:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/23/17 16:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/23/17 16:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/23/17 16:24	1
Styrene	ND		1.0	0.73	ug/L			07/23/17 16:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/23/17 16:24	1
Toluene	ND		1.0	0.51	ug/L			07/23/17 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/23/17 16:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/23/17 16:24	1
Trichloroethene	ND		1.0	0.46	ug/L			07/23/17 16:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/23/17 16:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/17 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/23/17 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/23/17 16:24*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/23/17 16:24*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/23/17 16:24*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/23/17 16:24*	*1*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-121054-1	MW-36I-071317	104	104	98	106
480-121054-2	MW-36D-071317	100	98	95	99
480-121054-3	MW-40D-071317	104	99	97	106
480-121054-4	DUP-1 071317	108	94	102	99
480-121054-5	TRIP BLANK	103	87	96	100
LCS 480-368214/5	Lab Control Sample	99	100	98	103
LCS 480-368267/4	Lab Control Sample	101	96	99	99
MB 480-368214/7	Method Blank	102	102	97	103
MB 480-368267/6	Method Blank	106	91	89	103

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(59-136)
480-121054-1	MW-36I-071317	73	81	71	88	59	86
480-121054-2	MW-36D-071317	79	77	68	83	56	85
480-121054-3	MW-40D-071317	63	60	54	66	45	76
480-121054-4	DUP-1 071317	75	72	65	80	55	83
LCS 480-367052/2-A	Lab Control Sample	79	80	78	89	65	88
MB 480-367052/1-A	Method Blank	73	82	78	90	65	92

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-368214/7
Matrix: Water
Analysis Batch: 368214

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/22/17 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/17 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/17 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/17 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/17 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/17 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/17 11:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/17 11:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/17 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/17 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/17 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/17 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/17 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/17 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/17 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/17 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/17 11:47	1
Acetone	ND		10	3.0	ug/L			07/22/17 11:47	1
Benzene	ND		1.0	0.41	ug/L			07/22/17 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/17 11:47	1
Bromoform	ND		1.0	0.26	ug/L			07/22/17 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/17 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/17 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/17 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/17 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/17 11:47	1
Chloroform	ND		1.0	0.34	ug/L			07/22/17 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/17 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/17 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/17 11:47	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/17 11:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/17 11:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/17 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/17 11:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/17 11:47	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/17 11:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/17 11:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/17 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/17 11:47	1
Styrene	ND		1.0	0.73	ug/L			07/22/17 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/17 11:47	1
Toluene	ND		1.0	0.51	ug/L			07/22/17 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/17 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/17 11:47	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/17 11:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/17 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/17 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/17 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/22/17 11:47	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/22/17 11:47	1
Toluene-d8 (Surr)	97		80 - 120		07/22/17 11:47	1
Dibromofluoromethane (Surr)	103		75 - 123		07/22/17 11:47	1

Lab Sample ID: LCS 480-368214/5
Matrix: Water
Analysis Batch: 368214

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.1		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.6		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2-Butanone (MEK)	125	133		ug/L		107	57 - 140
2-Hexanone	125	139		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125
Acetone	125	152		ug/L		122	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	28.3		ug/L		113	61 - 132
Bromomethane	25.0	23.8		ug/L		95	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		92	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	21.7		ug/L		87	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	23.4		ug/L		94	59 - 135
Dibromochloromethane	25.0	26.0		ug/L		104	75 - 125
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	22.7		ug/L		91	77 - 122
Methyl acetate	125	140		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127

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

Lab Sample ID: LCS 480-368214/5
Matrix: Water
Analysis Batch: 368214

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	20.1		ug/L		80	62 - 150
Vinyl chloride	25.0	20.1		ug/L		80	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-368267/6
Matrix: Water
Analysis Batch: 368267

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/23/17 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/23/17 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/23/17 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/23/17 11:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/23/17 11:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/23/17 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/23/17 11:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/23/17 11:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/23/17 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/23/17 11:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/23/17 11:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/23/17 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/23/17 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/23/17 11:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/17 11:30	1
2-Hexanone	ND		5.0	1.2	ug/L			07/23/17 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/23/17 11:30	1
Acetone	ND		10	3.0	ug/L			07/23/17 11:30	1
Benzene	ND		1.0	0.41	ug/L			07/23/17 11:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/23/17 11:30	1
Bromoform	ND		1.0	0.26	ug/L			07/23/17 11:30	1
Bromomethane	ND		1.0	0.69	ug/L			07/23/17 11:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/23/17 11:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/23/17 11:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/23/17 11:30	1
Chloroethane	ND		1.0	0.32	ug/L			07/23/17 11:30	1
Chloroform	ND		1.0	0.34	ug/L			07/23/17 11:30	1
Chloromethane	ND		1.0	0.35	ug/L			07/23/17 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/23/17 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/23/17 11:30	1
Cyclohexane	ND		1.0	0.18	ug/L			07/23/17 11:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/23/17 11:30	1

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

Lab Sample ID: MB 480-368267/6
Matrix: Water
Analysis Batch: 368267

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/23/17 11:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/23/17 11:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/23/17 11:30	1
Methyl acetate	ND		2.5	1.3	ug/L			07/23/17 11:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/23/17 11:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/23/17 11:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/23/17 11:30	1
Styrene	ND		1.0	0.73	ug/L			07/23/17 11:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/23/17 11:30	1
Toluene	ND		1.0	0.51	ug/L			07/23/17 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/23/17 11:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/23/17 11:30	1
Trichloroethene	ND		1.0	0.46	ug/L			07/23/17 11:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/23/17 11:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/17 11:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/23/17 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*07/23/17 11:30*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*07/23/17 11:30*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/23/17 11:30*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*07/23/17 11:30*	*1*

Lab Sample ID: LCS 480-368267/4
Matrix: Water
Analysis Batch: 368267

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	30.8		ug/L		123	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.4		ug/L		89	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.1		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	19.7		ug/L		79	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
2-Butanone (MEK)	125	149		ug/L		120	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		114	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124

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

Lab Sample ID: LCS 480-368267/4
Matrix: Water
Analysis Batch: 368267

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	26.0		ug/L		104	61 - 132
Bromomethane	25.0	26.9		ug/L		108	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	25.1		ug/L		101	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Chloroethane	25.0	25.5		ug/L		102	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	23.4		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Cyclohexane	25.0	24.6		ug/L		98	59 - 135
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	16.8		ug/L		67	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Isopropylbenzene	25.0	24.6		ug/L		99	77 - 122
Methyl acetate	125	139		ug/L		111	74 - 133
Methyl tert-butyl ether	25.0	25.8		ug/L		103	77 - 120
Methylcyclohexane	25.0	22.4		ug/L		89	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	22.1		ug/L		89	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	28.1		ug/L		112	80 - 120
Trichloroethene	25.0	22.8		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	24.3		ug/L		97	62 - 150
Vinyl chloride	25.0	23.6		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

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

Lab Sample ID: MB 480-367052/1-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 367052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/19/17 19:13	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		07/14/17 14:10	07/19/17 19:13	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		07/14/17 14:10	07/19/17 19:13	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		07/14/17 14:10	07/19/17 19:13	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/19/17 19:13	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		07/14/17 14:10	07/19/17 19:13	1

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

Lab Sample ID: MB 480-367052/1-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 367052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Chlorophenol	ND		5.0	0.53	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Methylphenol	ND		5.0	0.40	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Nitroaniline	ND		10	0.42	ug/L		07/14/17 14:10	07/19/17 19:13	1
2-Nitrophenol	ND		5.0	0.48	ug/L		07/14/17 14:10	07/19/17 19:13	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		07/14/17 14:10	07/19/17 19:13	1
3-Nitroaniline	ND		10	0.48	ug/L		07/14/17 14:10	07/19/17 19:13	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Chloroaniline	ND		5.0	0.59	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Methylphenol	ND		10	0.36	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Nitroaniline	ND		10	0.25	ug/L		07/14/17 14:10	07/19/17 19:13	1
4-Nitrophenol	ND		10	1.5	ug/L		07/14/17 14:10	07/19/17 19:13	1
Acenaphthene	ND		5.0	0.41	ug/L		07/14/17 14:10	07/19/17 19:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		07/14/17 14:10	07/19/17 19:13	1
Acetophenone	0.596	J	5.0	0.54	ug/L		07/14/17 14:10	07/19/17 19:13	1
Anthracene	ND		5.0	0.28	ug/L		07/14/17 14:10	07/19/17 19:13	1
Atrazine	ND		5.0	0.46	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzaldehyde	ND		5.0	0.27	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		07/14/17 14:10	07/19/17 19:13	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		07/14/17 14:10	07/19/17 19:13	1
Biphenyl	ND		5.0	0.65	ug/L		07/14/17 14:10	07/19/17 19:13	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		07/14/17 14:10	07/19/17 19:13	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		07/14/17 14:10	07/19/17 19:13	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		07/14/17 14:10	07/19/17 19:13	1
Bis(2-ethylhexyl) phthalate	9.82		5.0	2.2	ug/L		07/14/17 14:10	07/19/17 19:13	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		07/14/17 14:10	07/19/17 19:13	1
Caprolactam	ND		5.0	2.2	ug/L		07/14/17 14:10	07/19/17 19:13	1
Carbazole	ND		5.0	0.30	ug/L		07/14/17 14:10	07/19/17 19:13	1
Chrysene	ND		5.0	0.33	ug/L		07/14/17 14:10	07/19/17 19:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		07/14/17 14:10	07/19/17 19:13	1
Dibenzofuran	ND		10	0.51	ug/L		07/14/17 14:10	07/19/17 19:13	1
Diethyl phthalate	ND		5.0	0.22	ug/L		07/14/17 14:10	07/19/17 19:13	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		07/14/17 14:10	07/19/17 19:13	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		07/14/17 14:10	07/19/17 19:13	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		07/14/17 14:10	07/19/17 19:13	1
Fluoranthene	ND		5.0	0.40	ug/L		07/14/17 14:10	07/19/17 19:13	1
Fluorene	ND		5.0	0.36	ug/L		07/14/17 14:10	07/19/17 19:13	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/14/17 14:10	07/19/17 19:13	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		07/14/17 14:10	07/19/17 19:13	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/14/17 14:10	07/19/17 19:13	1

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

Lab Sample ID: MB 480-367052/1-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 367052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		5.0	0.59	ug/L		07/14/17 14:10	07/19/17 19:13	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		07/14/17 14:10	07/19/17 19:13	1
Isophorone	ND		5.0	0.43	ug/L		07/14/17 14:10	07/19/17 19:13	1
Naphthalene	ND		5.0	0.76	ug/L		07/14/17 14:10	07/19/17 19:13	1
Nitrobenzene	ND		5.0	0.29	ug/L		07/14/17 14:10	07/19/17 19:13	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		07/14/17 14:10	07/19/17 19:13	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		07/14/17 14:10	07/19/17 19:13	1
Pentachlorophenol	ND		10	2.2	ug/L		07/14/17 14:10	07/19/17 19:13	1
Phenanthrene	ND		5.0	0.44	ug/L		07/14/17 14:10	07/19/17 19:13	1
Phenol	ND		5.0	0.39	ug/L		07/14/17 14:10	07/19/17 19:13	1
Pyrene	ND		5.0	0.34	ug/L		07/14/17 14:10	07/19/17 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*41 - 120*	*07/14/17 14:10*	*07/19/17 19:13*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*07/14/17 14:10*	*07/19/17 19:13*	*1*
2-Fluorophenol	*78*		*35 - 120*	*07/14/17 14:10*	*07/19/17 19:13*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*07/14/17 14:10*	*07/19/17 19:13*	*1*
Phenol-d5	*65*		*22 - 120*	*07/14/17 14:10*	*07/19/17 19:13*	*1*
p-Terphenyl-d14	*92*		*59 - 136*	*07/14/17 14:10*	*07/19/17 19:13*	*1*

Lab Sample ID: LCS 480-367052/2-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 367052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	33.5		ug/L		105	65 - 126
2,4,6-Trichlorophenol	32.0	25.7		ug/L		80	64 - 120
2,4-Dichlorophenol	32.0	28.3		ug/L		88	63 - 120
2,4-Dimethylphenol	32.0	28.5		ug/L		89	47 - 120
2,4-Dinitrophenol	64.0	53.1		ug/L		83	31 - 137
2,4-Dinitrotoluene	32.0	28.5		ug/L		89	69 - 120
2,6-Dinitrotoluene	32.0	28.5		ug/L		89	68 - 120
2-Chloronaphthalene	32.0	26.9		ug/L		84	58 - 120
2-Chlorophenol	32.0	28.7		ug/L		90	48 - 120
2-Methylnaphthalene	32.0	26.3		ug/L		82	59 - 120
2-Methylphenol	32.0	29.7		ug/L		93	39 - 120
2-Nitroaniline	32.0	30.5		ug/L		95	54 - 127
2-Nitrophenol	32.0	28.0		ug/L		87	52 - 125
3,3'-Dichlorobenzidine	64.0	60.9		ug/L		95	49 - 135
3-Nitroaniline	32.0	27.7		ug/L		87	51 - 120
4,6-Dinitro-2-methylphenol	64.0	49.0		ug/L		77	46 - 136
4-Bromophenyl phenyl ether	32.0	26.5		ug/L		83	65 - 120
4-Chloro-3-methylphenol	32.0	29.0		ug/L		91	61 - 123
4-Chloroaniline	32.0	24.9		ug/L		78	30 - 120
4-Chlorophenyl phenyl ether	32.0	28.1		ug/L		88	62 - 120
4-Methylphenol	32.0	28.9		ug/L		90	29 - 131
4-Nitroaniline	32.0	31.7		ug/L		99	65 - 120
4-Nitrophenol	64.0	46.8		ug/L		73	45 - 120

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

Lab Sample ID: LCS 480-367052/2-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 367052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	27.4		ug/L		86	60 - 120
Acenaphthylene	32.0	28.3		ug/L		88	63 - 120
Acetophenone	32.0	30.6		ug/L		96	45 - 120
Anthracene	32.0	29.0		ug/L		91	67 - 120
Atrazine	64.0	59.6		ug/L		93	71 - 130
Benzaldehyde	64.0	42.8		ug/L		67	10 - 140
Benzo(a)anthracene	32.0	29.2		ug/L		91	70 - 121
Benzo(a)pyrene	32.0	30.1		ug/L		94	60 - 123
Benzo(b)fluoranthene	32.0	31.6		ug/L		99	66 - 126
Benzo(g,h,i)perylene	32.0	28.5		ug/L		89	66 - 150
Benzo(k)fluoranthene	32.0	28.2		ug/L		88	65 - 124
Biphenyl	32.0	27.0		ug/L		84	59 - 120
bis (2-chloroisopropyl) ether	32.0	37.0		ug/L		115	21 - 136
Bis(2-chloroethoxy)methane	32.0	30.3		ug/L		95	50 - 128
Bis(2-chloroethyl)ether	32.0	30.3		ug/L		95	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	33.2		ug/L		104	63 - 139
Butyl benzyl phthalate	32.0	31.8		ug/L		99	70 - 129
Caprolactam	64.0	23.8		ug/L		37	22 - 120
Carbazole	32.0	28.8		ug/L		90	66 - 123
Chrysene	32.0	27.8		ug/L		87	69 - 120
Dibenz(a,h)anthracene	32.0	29.5		ug/L		92	65 - 135
Dibenzofuran	32.0	28.2		ug/L		88	66 - 120
Diethyl phthalate	32.0	30.0		ug/L		94	59 - 127
Dimethyl phthalate	32.0	28.8		ug/L		90	68 - 120
Di-n-butyl phthalate	32.0	29.1		ug/L		91	69 - 131
Di-n-octyl phthalate	32.0	29.7		ug/L		93	63 - 140
Fluoranthene	32.0	29.4		ug/L		92	69 - 126
Fluorene	32.0	28.0		ug/L		88	66 - 120
Hexachlorobenzene	32.0	25.8		ug/L		81	61 - 120
Hexachlorobutadiene	32.0	21.1		ug/L		66	35 - 120
Hexachlorocyclopentadiene	32.0	18.3		ug/L		57	31 - 120
Hexachloroethane	32.0	25.2		ug/L		79	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	28.6		ug/L		89	69 - 146
Isophorone	32.0	29.5		ug/L		92	55 - 120
Naphthalene	32.0	26.4		ug/L		82	57 - 120
Nitrobenzene	32.0	28.9		ug/L		90	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.2		ug/L		101	32 - 140
N-Nitrosodiphenylamine	32.0	28.9		ug/L		90	61 - 120
Pentachlorophenol	64.0	48.3		ug/L		75	29 - 136
Phenanthrene	32.0	30.4		ug/L		95	68 - 120
Phenol	32.0	20.3		ug/L		64	17 - 120
Pyrene	32.0	28.4		ug/L		89	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*79*		*41 - 120*
2-Fluorobiphenyl	*80*		*48 - 120*
2-Fluorophenol	*78*		*35 - 120*
Nitrobenzene-d5	*89*		*46 - 120*

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

Lab Sample ID: LCS 480-367052/2-A
Matrix: Water
Analysis Batch: 367745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 367052

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*65*		*22 - 120*
p-Terphenyl-d14	*88*		*59 - 136*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-368656/1-A
Matrix: Water
Analysis Batch: 368769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/25/17 11:00	07/26/17 10:00	1

Lab Sample ID: LCS 480-368656/2-A
Matrix: Water
Analysis Batch: 368769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.255		mg/L		102	90 - 110

GC/MS VOA

Analysis Batch: 368214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-1	MW-36I-071317	Total/NA	Water	8260C	
480-121054-2	MW-36D-071317	Total/NA	Water	8260C	
480-121054-3	MW-40D-071317	Total/NA	Water	8260C	
MB 480-368214/7	Method Blank	Total/NA	Water	8260C	
LCS 480-368214/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 368267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-4	DUP-1 071317	Total/NA	Water	8260C	
480-121054-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-368267/6	Method Blank	Total/NA	Water	8260C	
LCS 480-368267/4	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 367052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-1	MW-36I-071317	Total/NA	Water	3510C	
480-121054-2	MW-36D-071317	Total/NA	Water	3510C	
480-121054-3	MW-40D-071317	Total/NA	Water	3510C	
480-121054-4	DUP-1 071317	Total/NA	Water	3510C	
MB 480-367052/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-367052/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 367745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-1	MW-36I-071317	Total/NA	Water	8270D	367052
480-121054-2	MW-36D-071317	Total/NA	Water	8270D	367052
MB 480-367052/1-A	Method Blank	Total/NA	Water	8270D	367052
LCS 480-367052/2-A	Lab Control Sample	Total/NA	Water	8270D	367052

Analysis Batch: 367946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-3	MW-40D-071317	Total/NA	Water	8270D	367052
480-121054-4	DUP-1 071317	Total/NA	Water	8270D	367052

General Chemistry

Prep Batch: 368656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-1	MW-36I-071317	Total/NA	Water	9012B	
480-121054-2	MW-36D-071317	Total/NA	Water	9012B	
480-121054-3	MW-40D-071317	Total/NA	Water	9012B	
480-121054-4	DUP-1 071317	Total/NA	Water	9012B	
MB 480-368656/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-368656/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 368769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-1	MW-36I-071317	Total/NA	Water	9012B	368656

General Chemistry (Continued)

Analysis Batch: 368769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-121054-2	MW-36D-071317	Total/NA	Water	9012B	368656
480-121054-3	MW-40D-071317	Total/NA	Water	9012B	368656
480-121054-4	DUP-1 071317	Total/NA	Water	9012B	368656
MB 480-368656/1-A	Method Blank	Total/NA	Water	9012B	368656
LCS 480-368656/2-A	Lab Control Sample	Total/NA	Water	9012B	368656

Lab Chronicle

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: MW-36I-071317

Lab Sample ID: 480-121054-1

Date Collected: 07/13/17 10:00
Matrix: Water
Date Received: 07/14/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368214	07/22/17 18:14	RRS	TAL BUF
Total/NA	Prep	3510C			367052	07/14/17 14:10	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367745	07/20/17 03:02	DMR	TAL BUF
Total/NA	Prep	9012B			368656	07/25/17 11:00	MDL	TAL BUF
Total/NA	Analysis	9012B		1	368769	07/26/17 10:17	MDL	TAL BUF

Client Sample ID: MW-36D-071317

Lab Sample ID: 480-121054-2

Date Collected: 07/13/17 11:24
Matrix: Water
Date Received: 07/14/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368214	07/22/17 18:38	RRS	TAL BUF
Total/NA	Prep	3510C			367052	07/14/17 14:10	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367745	07/20/17 03:32	DMR	TAL BUF
Total/NA	Prep	9012B			368656	07/25/17 11:00	MDL	TAL BUF
Total/NA	Analysis	9012B		1	368769	07/26/17 10:19	MDL	TAL BUF

Client Sample ID: MW-40D-071317

Lab Sample ID: 480-121054-3

Date Collected: 07/13/17 13:17
Matrix: Water
Date Received: 07/14/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368214	07/22/17 19:01	RRS	TAL BUF
Total/NA	Prep	3510C			367052	07/14/17 14:10	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367946	07/20/17 16:48	DMR	TAL BUF
Total/NA	Prep	9012B			368656	07/25/17 11:00	MDL	TAL BUF
Total/NA	Analysis	9012B		1	368769	07/26/17 10:20	MDL	TAL BUF

Client Sample ID: DUP-1 071317

Lab Sample ID: 480-121054-4

Date Collected: 07/13/17 00:00
Matrix: Water
Date Received: 07/14/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368267	07/23/17 16:01	KMN	TAL BUF
Total/NA	Prep	3510C			367052	07/14/17 14:10	SMP	TAL BUF
Total/NA	Analysis	8270D		1	367946	07/20/17 17:17	DMR	TAL BUF
Total/NA	Prep	9012B			368656	07/25/17 11:00	MDL	TAL BUF
Total/NA	Analysis	9012B		1	368769	07/26/17 10:22	MDL	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Client Sample ID: TRIP BLANK
Date Collected: 07/13/17 00:00
Date Received: 07/14/17 02:00

Lab Sample ID: 480-121054-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	368267	07/23/17 16:24	KMN	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM, Inc.
TestAmerica Job ID: 480-121054-1
Project/Site: NYSEG - Mechanicville MGP Site

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM, Inc.
Project/Site: NYSEG - Mechanicville MGP Site

TestAmerica Job ID: 480-121054-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-121054-1	MW-36I-071317	Water	07/13/17 10:00	07/14/17 02:00
480-121054-2	MW-36D-071317	Water	07/13/17 11:24	07/14/17 02:00
480-121054-3	MW-40D-071317	Water	07/13/17 13:17	07/14/17 02:00
480-121054-4	DUP-1 071317	Water	07/13/17 00:00	07/14/17 02:00
480-121054-5	TRIP BLANK	Water	07/13/17 00:00	07/14/17 02:00

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

480501-Albany

Chain of Custody Record

TestAmerica

480-121054 COC

Client Information	Sampler: Chris French	Lab PM: Deyo, Melissa L	Carrier:	COC No: 480-99714-23732.2
Client Contact: John Santacroce	Phone: 518-860-3855	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: AECOM, Inc.			Analysis Requested	Job #:
Address: 40 British American Blvd	Due Date Requested: STD			
City: Latham	TAT Requested (days): Standard			
State, Zip: NY, 12110				
Phone: 518-951-2200	PO #: 4503928293			
Email: John.Santacroce@aecom.com	WO #: Mechanicville MGP/Tracy L. Blazicek			
Project Name: NYSEG MGP Mechanicville North Central Av	Project #: 48005676			
Site: NYSEG Mechanicville	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOCs	8260C - TCL VOCs	9012B - Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	B		
MW-36I 071317	7/13/17	1000	G	Water	N	N	X	X	X	6	
MW-36D 071317		1124		Water							
MW-40D 071317		1317		Water							
Dup-1 071317		—		Water							Duplicate Sample
Trip Blank	—	—	—	Water						2	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) Contact AECOM PM

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Chris French	7/13/17 1435	AECOM	TM Kroll	7-13-17 1435	TA
TM Kroll	7-13-17 1800	TA	[illegible]	7-14-17 0200	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.9 #1

7/28/2017

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-121054-1

Login Number: 121054

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ATTACHMENT 4
DATA VALIDATION REPORT

AECOM
707 Grant Street
Pittsburgh, PA 15219
aecom.com

Project name:
Mechanicville NY MGP

Project ref:
60546118-3

To:
John Satacroce
AECOM
40 British American Boulevard
Latham, NY 12110

From:
Gregory A. Malzone

Date:
May 22, 2018

CC:
Reeti Doshi
AECOM
125 Broad Street, Suite 1500
New York, NY 10004

Data Assessment Memorandum

Subject: NYSEG/Mechanicville NY July 2017 Groundwater Data Assessment

Overview

A data assessment was performed on two data packages from TestAmerica Laboratories, Inc., 10 Hazelwood Drive, Amherst, NY 14228-2298 (TAL-Buffalo). The groundwater samples were collected on July 11-13, 2017 at the NYSEG Mechanicville, NY manufactured gas plant (MGP) site. TAL-Buffalo processed the samples and reported the results under job ID numbers 480-120981-1 and 480-121054-1.

The following analytical methods were requested on the chain-of-custody (CoC) record.

- Method SW-846 8260C – Volatile Organic Compounds (VOCs) by Gas Chromatography/Mass Spectrometry (GC/MS)
- Method SW-846 8270D - Semivolatile Organic Compounds (SVOCs) by GC/MS
- Method SW-846 9012B – Total Cyanide

The data were evaluated for conformance to method specifications and qualifiers were applied using the USEPA Region II SOPs and the validation criteria set forth in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review*, EPA-540-R-2017-002, January 2017 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA-540-R-2017-001, January 2017, as they apply to the analytical methods employed.

Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the *USEPA Region I, New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996.

Review Elements

The following elements of the data report were reviewed.

- Agreement of analyses conducted with chain-of-custody requests
- Holding times/sample preservation
- Method preparation blanks and trip blank results

- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Surrogate recoveries
- Compound identification and quantitation
- Field duplicate precision

Samples

Twelve groundwater samples, one field duplicate collected at MW-36D-071317 and two trip blanks were submitted for analysis by the methods listed above. Sample MW-2 071117 was designated in the field to be processed as the quality control sample, that is, as the MS/MSD.

The samples included in this review are listed in Table 1below.

Table 1
NYSEG/Mechanicville MGP Site – July 2017 Sample Submittals

Field ID	Matrix	Date Sampled	Laboratory ID
MW-2 071117	Groundwater	07/11/2017	481-120981-1
MW-2I 071117	Groundwater	07/11/2017	481-120981-2
MW-38I 071117	Groundwater	07/11/2017	481-120981-3
MW-38 071117	Groundwater	07/11/2017	481-120981-4
MW-39D 071117	Groundwater	07/11/2017	481-120981-5
MW-17 071217	Groundwater	07/12/2017	481-120981-6
MW-17I 071217	Groundwater	07/12/2017	481-120981-7
MW-17D 071217	Groundwater	07/12/2017	481-120981-8
MW-20D 071217	Groundwater	07/12/2017	481-120981-9
TRIP BLANK[1]	Aqueous (QC)	07/12/2017	481-120981-10
MW-36I-071317	Groundwater	07/13/2017	480-121054-1
MW-36D-071317	Groundwater	07/13/2017	480-121054-2
MW-40D-071317	Groundwater	07/13/2017	480-121054-3
DUP-1-071317	Groundwater (QC)	07/13/2017	480-121054-4
TRIP BLANK[1]	Aqueous (QC)	07/13/2017	480-121054-5

(1): The trip blank was analyzed for volatile organics only.

DISCUSSION

Agreement of Analyses Conducted with CoC Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the CoC. No discrepancies were noted.

Holding Times and Preservation

All samples were analyzed within the holding times required by the methods with the following exception.

VOCs by 8260C: The post-analysis pH verification measurement for sample MW-38I 071117 was greater than the limit of 2 su. The VOC analysis for sample MW-38I 071117was performed three days beyond the USEPA seven-day holding time for

an unpreserved/under-preserved VOC sample. All positive and non-detect VOC results for sample MW-38I 071117 were qualified "J/UJ," as estimates, because the holding time had lapsed. A low bias was suspected.

The sample shipments were received on ice, intact, with the proper chemical preservation, and in good condition.

The cooler temperatures were 0.9, 1.1 and 1.2 degrees Celsius (°C) upon receipt at TAL-Buffalo, which were within the optimal range of just above freezing to 6° C. No samples were observed to be broken or frozen. No data qualifications were required.

Laboratory and Trip Blanks

No target compounds were detected at concentrations exceeding the method detection limits (MDLs) in the laboratory method blanks or the trip blank with the following exceptions.

SVOCs by 8270D: Acetophenone was detected in the method blank associated with preparation batch 366840 at an estimated concentration of 0.708 J µg/L. All samples were affected. Acetophenone was not detected in any of the field samples. No data qualifications were required.

SVOCs by 8270D: Acetophenone and bis(2-ethylhexyl) phthalate were detected in the method blank associated with preparation batch 367052. All samples were affected. Acetophenone and bis(2-ethylhexyl) phthalate were not detected in any of the field samples. No data qualifications were required.

VOCs by 8260C: Acetone was detected in the trip blank at and estimated concentration of 4.8 J µg/L. The positive acetone result for sample DUP-1-071317 was estimated to be less than the RL and was qualified "U," as undetected at the RL, because of ambient contamination.

Laboratory Control Samples (LCS)

Laboratory control sample recoveries were within the laboratory quality control limits.

Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Relative Percent Differences (RPDs)

Matrix spike and matrix spike duplicates that were performed on non-project samples were not evaluated because matrix similarity to project samples could not be assumed.

Sample MW-2 071117 was designated in the field to be processed as the quality control sample, that is, as the MS/MSD.

The MW-2 071117 MS/MSD recoveries and RPDs were within the advisory limits with the following exceptions.

VOCs by 8260C: MW-2 071117 MS/MSD recoveries for 1,1,1-trichloroethane were high, with the MSD recovery outside the upper advisory limit. 1,1,1-Trichloroethane was not detected in sample MW-2 071117. No data qualification was required in response to the high bias due to matrix effects.

The RPDs between the MW-2 071117 MS and MSD recoveries for 1,1,2-trichloro-1,2,2-trifluoroethane, 1,1,2-trichloroethane, 2-hexanone, carbon disulfide, chloromethane, cyclohexane, dibromochloromethane, ethylbenzene, methylcyclohexane, tetrachloroethene, toluene, trans-1,3-dichloropropene and vinyl chloride were greater than the laboratory maximum advisory limits. The matrix spike recoveries were within the laboratory advisory limits for these compounds and none of the compounds were detected in sample MW-2 071117. No data qualifications were required.

Surrogate Recoveries

All surrogate recoveries were within the laboratory quality control limits.

Compound Identification and Quantitation

All analytical results were reported to the MDLs. VOC and SVOC sample results were reported in µg/L (ppb). The total cyanide results were report in mg/L (ppm).

Positive results less than the reporting limit (i.e., practical quantitation limit), but greater than the MDL were qualified "J," as estimated concentrations, due to increased uncertainty near the detection limit. These "J" qualifiers were maintained in this data assessment. Sample results reported between the MDL and reporting limit are usable as estimated values with an unknown directional bias.

Field Duplicate Precision

A field duplicate sample was collected for sample MW-36D-071317. Field duplicate results were evaluated using the following criteria.

Organics: The RPD must be ≤ 30% for results greater than or equal to two times the reporting limit. If one of the results is non-detect or less than two times the reporting limit, and the duplicate is greater than two times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies only to the affected analyte in the organic duplicate sample pair.

Inorganics: The RPD must be ≤ 30% for results greater than or equal to five times the reporting limit. For results less than five times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies to the affected analyte in all inorganic samples of the same matrix prepared and analyzed by the same method.

Table 2
NYSEG/Mechanicville MGP Site – Field Duplicate Precision

Parameter	Method	Units	MW-36D-071317	DUP-1-071317	RPD (%)	Qualifier
Di-n-butyl phthalate	8270D	µg/L	0.59 J	0.69 J	16	None
Total Cyanide	9012B	mg/L	0.0068 J	0.010 U	NC*	None

NC: RPD could not be calculated.

* - The difference between the primary and field duplicate results was less than two times the reporting limit . Variation of this magnitude is acceptable.

Field sampling/laboratory precision and sample homogeneity were acceptable. No data qualifications were required.

Summary

In general, the data results are valid as reported and may be used for decision making purposes. Sample data were qualified with either a "U" (undetected) or "J" (estimated) or "UJ" (the analyte was not detected; however, the reported quantitation limit is approximate and may be inaccurate or imprecise). See Table 3 below for the qualified analytical results.

Table 3
NYSEG/Mechanicville MGP Site – Qualified Analytical Data

Sample ID	Method	Analyte	Lab Result	Lab Qual	Validated Result	Validation Qualifier[1]	Units	Reason Codes[2]
MW-38I 071117	8260C	Volatile Results (all ND)	ND		ND	UJ	µg/L	HT
MW-38I 071117	8260C	Xylenes, Total	2.2		2.2	J	µg/L	HT
DUP-1 071317	8260C	Acetone	3.2	J	10	U	µg/L	TB

[1]: USEPA-defined data validation qualifiers applied in this data assessment:

U: The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J: The associated numerical value is the approximate concentration of the analyte in the sample.

UJ: The analyte was not detected; however, the reported sample quantitation limit is approximate and may be inaccurate or imprecise.

[2]: Reason Codes:

HT: The USEPA holding time was exceeded.

TB: Contamination was detected in the associated trip blank.

ATTACHMENT 5
STREAM MONITORING FORM

Anthony Kill Creek Observation Form Mechanicville Former MGP Site		
		Notes
Date	6/29/2017	Gerlinde Wolf & Thomas Quackenbush
Cloud Cover	90%	
Sun Angle	Direct Overhead	
Precipitation	None	
Time Start	12:57 PM	
Time End	1:27 PM	
# Blebs	0	
Frequency	0/hr	
Location of Observation		On rip rap next to new bridge
Water Level from Mark	25.9	Same location as last time
Stream Elevation		
Were Sediments Probed	Yes	near bridge as well as locations in front of bridge
Observation after Probing		No blebs or sheen observed
Stream Bank Stabilized?		
Approx % Vegetation Cover	100%	
Health of Vegetation	good	
Number of Trees	16	4 are dead
Soil Cover		