TETRA TECH

December 18, 2015

Erich Weissbart, P.G.
EPA Region 3
Land and Chemicals Division
701 Mapes Road
Fort Meade, MD 20755

RE: Semi-Annual Groundwater Monitoring Report
November 2015 Sampling Event
RCRA Corrective Action Permit MDD046279311
CMS Units 2 and 7
Former Appliance Park East Facility
Columbia, Maryland

Dear Mr. Weissbart:

On behalf of the General Electric Company (GE), this letter presents the results of semi-annual groundwater sampling performed by Tetra Tech, Inc. (Tetra Tech) in November 2015 at CMS Units 2 and 7 of the former Appliance Park East facility in Columbia, Maryland. The samples were collected and analyzed following the procedures outlined in the *Ground Water Sampling and Analysis Plan for CMS Units 2 and 7* (SAP) revised by Environmental Resources Management, Inc. (ERM) on May 4, 2011 and approved by the United States Environmental Protection Agency (EPA) on July 20, 2011.

Prior to sampling, Tetra Tech obtained water level measurements on November 6, 2015 from all wells listed in the attached Table 1. The groundwater elevations measured are shown in Table 1; Figures 2 and 3 present the groundwater elevation contours for the saprolite and bedrock units, respectively. Passive diffusion bags (PDBs) were used to collect the groundwater samples from the wells listed in Table 1 with a semi-annual sampling frequency. The PDBs were deployed on November 6, 2015 and retrieved on November 20, 2015. Quality assurance/quality control samples consisted of a field blank, trip blank, a Matrix Spike/Matrix Spike Duplicate (MS/MSD) (from 2MW-4D), and a blind duplicate of 2MW-8S (labeled 2MW-8). The samples were submitted to Pace Analytical Services, Inc. in Greensburg, PA for analysis of volatile organic compounds (VOCs) by EPA Method 8260B as required by the SAP.

TCE was detected in 2MW-8S and its duplicate, at a concentration of 13,300 micrograms per liter (µg/L). TCE was also detected in five other wells out of the 11 wells that were sampled; the concentrations ranged from 5.2 µg/L (at 2MW-9) to 122 µg/L (at 2TP-9). Cis-1,2-dichloroethene was detected in six wells and trans-1,2-dichloroethene was detected in four

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wells. A few other VOCs were detected, mainly in 2MW-8S. The VOC detections are summarized in Table 2 and historical trichloroethene (TCE) results since 2007 are summarized in Table 3. The laboratory report is in Attachment 1.

The next semi-annual, annual and biennial events are scheduled for May/June 2016. Please contact me at 410-990-4607 or belssi.chang@tetratech.com with any questions regarding this submittal.

Sincerely,

Belssi Chang Lee
Project Manager

Attachments:

- Figure 1 – Groundwater Monitoring Wells, Parcels A-10 and A-40
- Figure 2 – Hydraulic Heads for Parcel A-10 Saprolite Wells, November 6, 2015
- Figure 3 – Hydraulic Heads for Parcel A-10 Bedrock Wells, November 6, 2015
- Table 1 – Groundwater Elevations for Monitoring Wells at CMS Units 2 and 7
- Table 2 – VOC Detections, CMS Units 2 and 7 Groundwater Monitoring, November 20, 2015
- Table 3 – Historical TCE Results for CMS Units 2 and 7 Groundwater Monitoring
- Attachment 1 – Laboratory Report

Cc: Richard Gates, GE

FIGURES

FIGURE 1
GROUNDWATER MONITORING WELLS
PARCELS A-10 AND A-40
FORMER APPLIANCE PARK EAST
COLUMBIA, MARYLAND

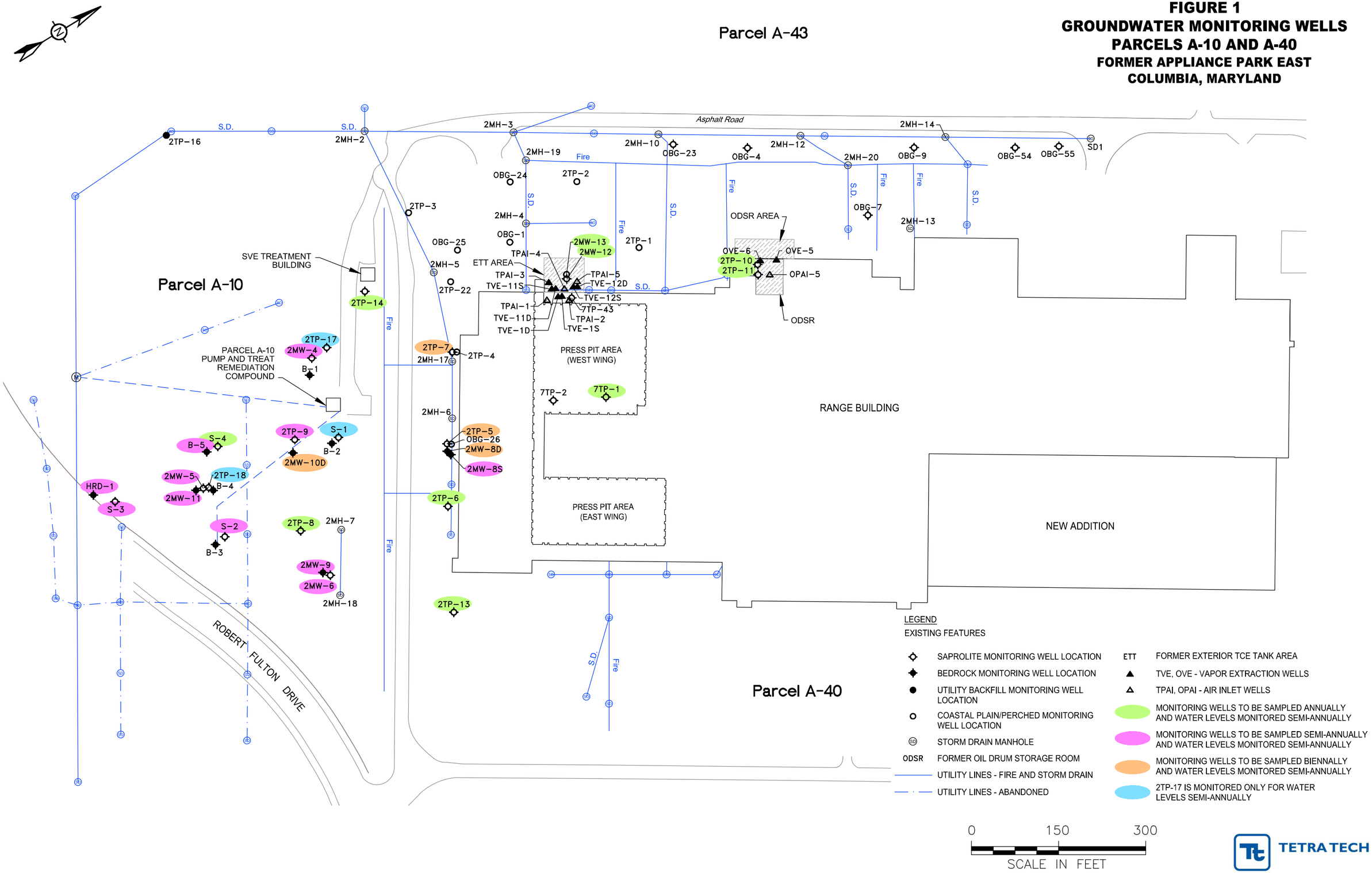

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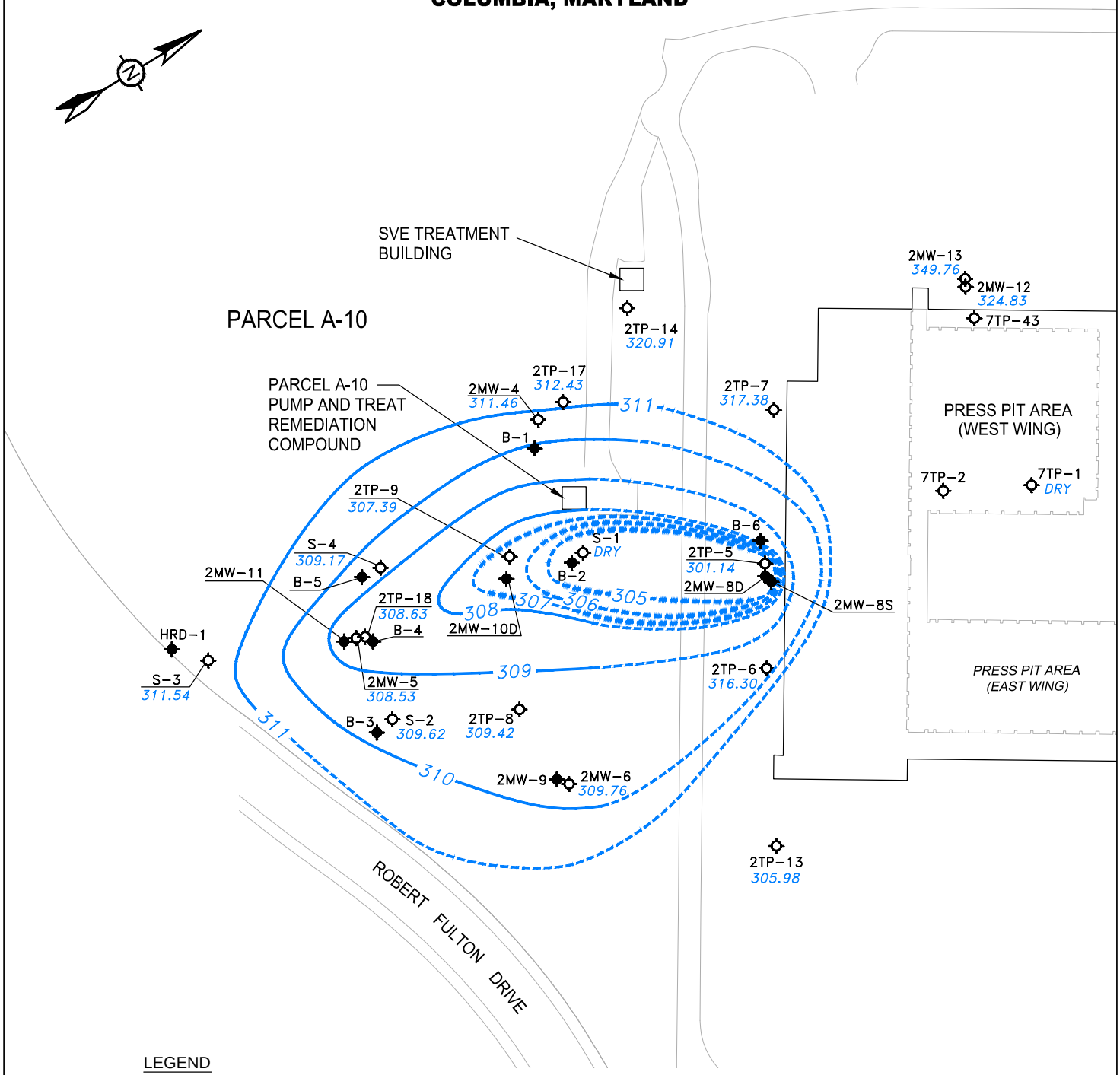
FIGURE 2
HYDRAULIC HEADS FOR PARCEL A-10 SAPROLITE WELLS
NOVEMBER 6, 2015
FORMER APPLIANCE PARK EAST
COLUMBIA, MARYLAND



LEGEND

- SAPROLITE MONITORING WELL LOCATION
- BEDROCK MONITORING WELL LOCATION
- 311.54 GROUNDWATER ELEVATION (FEET)
- 309 GROUNDWATER ELEVATION CONTOUR (FEET) (DASHED WHERE INFERRED)

NOTES:

1. 2MW-13 IS A COASTAL PLAIN/PERCHED GROUNDWATER MONITORING WELL.
2. GROUNDWATER ELEVATIONS FOR 2MW-5 AND 2TP-13 WERE NOT USED TO DEVELOP GROUNDWATER ELEVATION CONTOURS.

0 150 300
SCALE IN FEET

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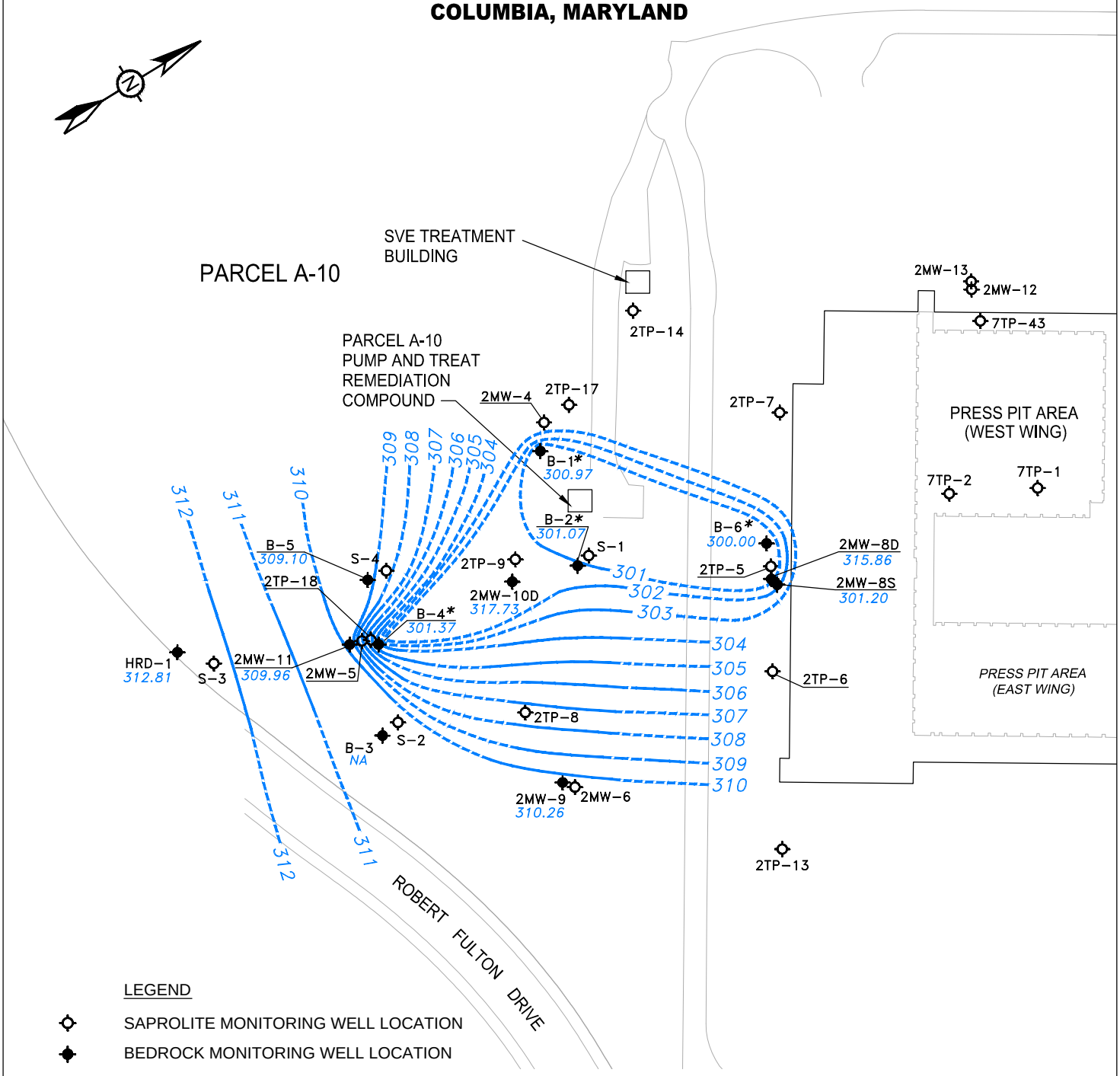
FIGURE 3
HYDRAULIC HEADS FOR PARCEL A-10 BEDROCK WELLS
NOVEMBER 6, 2015
FORMER APPLIANCE PARK EAST
COLUMBIA, MARYLAND



LEGEND

- SAPROLITE MONITORING WELL LOCATION
- BEDROCK MONITORING WELL LOCATION
- 310.26 — GROUNDWATER ELEVATION (FEET)
- 309 — GROUNDWATER ELEVATION CONTOUR (FEET) (DASHED WHERE INFERRED)
- * — HYDRAULIC HEAD IS THE LOWER SET POINT FOR THE EXTRACTION WELLS
- NA — GROUNDWATER ELEVATION NOT AVAILABLE; SEE NOTE 3

NOTES:

1. 2MW-13 IS A COASTAL PLAIN/PERCHED GROUNDWATER MONITORING WELL.
2. GROUNDWATER ELEVATIONS FOR 2MW-8D AND 2MW-10D WERE NOT USED TO DEVELOP GROUNDWATER ELEVATION CONTOURS.
3. B-3 WAS TURNED OFF DURING THE WATER LEVEL GAUGING EVENT, AND A WATER LEVEL WAS NOT COLLECTED; THEREFORE A GROUNDWATER ELEVATION FOR B-3 IS NOT AVAILABLE.

0 150 300
SCALE IN FEET

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TABLES

TABLE 1
Groundwater Elevations for Monitoring Wells at CMS Units 2 and 7
November 6, 2015
Former Appliance Park East Facility, Columbia, Maryland

Well ID	Interpreted Lithology	Reference Point Elevation (ft > MSL)	Well Depth (ft BGS)	Well Screen Length (ft)	Well Screen Top (ft BGS)	Well Screen Bottom (ft BGS)	Screen Top Elevation (ft > MSL)	Screen Bottom Elevation (ft > MSL)	Sampling Frequency**	Water Level Monitoring Frequency	Depth to Water on November 6, 2015 (ft BRE)	Groundwater Elevation on November 6, 2015 (ft > MSL)
SAPROLITE / WATER TABLE												
7TP-1	Saprolite	345.76	24	20	4	24	342	322	Annually	Semi-Annually	Dry	Dry
2TP-5	Saprolite	358.02	63	15	48	63	308.38	293.38	Biennially	Semi-Annually	56.88	301.14
2TP-6	Saprolite	358.79	50	15	35	50	321.41	306.41	Annually	Semi-Annually	42.49	316.30
2TP-7	Saprolite	358.76	59	15	44	59	313.16	298.16	Biennially	Semi-Annually	41.38	317.38
2TP-8	Saprolite	348.67	62	15	47	62	299.11	284.11	Annually	Semi-Annually	39.25	309.42
2TP-9	Saprolite	348.85	55	15	40	55	305.95	290.95	Semi-Annually	Semi-Annually	41.46	307.39
2TP-10	Coastal Plain & Saprolite	358.95	23	10	13	23	345	335	Annually	Semi-Annually	17.42	341.53
2TP-11	Coastal Plain & Saprolite	357.57	30	10	20	30	338	328	Annually	Semi-Annually	Not accessible; under pallets	
2TP-13	Saprolite	362.11	59	15	44	59	315.58	300.58	Annually	Semi-Annually	56.13	305.98
2TP-14	Saprolite	348.85	48	15	33	48	314.77	299.77	Annually	Semi-Annually	27.94	320.91
2TP-17	Saprolite	349.29	47	15	32	47	314.8	299.8	None	Semi-Annually	36.86	312.43
2TP-18	Saprolite	346.42	43	15	28	43	316.02	301.02	None	Semi-Annually	37.79	308.63
2MW-4	Saprolite	348.8	46	20	26	46	320.31	300.31	Semi-Annually	Semi-Annually	37.34	311.46
2MW-5	Saprolite	346.06	68	15	53	68	290.87	275.87	Semi-Annually	Semi-Annually	37.53	308.53
2MW-6	Saprolite	350.13	44	15	29	44	318.6	303.6	Semi-Annually	Semi-Annually	40.37	309.76
2MW-12	Saprolite	353.61	36	15.0	21.0	36.0	332.57	317.57	Annually	Semi-Annually	28.78	324.83
2MW-13	Coastal Plain/Perched	353.42	11	8	3	11	350.69	342.69	Annually	Semi-Annually	3.66	349.76
S-1	Saprolite	349.94	41	30	11	41	336.9	306.9	None	Semi-Annually	Dry	Dry
S-2	Saprolite	346.89	50	30	20	50	325.06	295.06	Semi-Annually	Semi-Annually	37.27	309.62
S-3	Saprolite	347.69	50	30	20	50	325.78	295.78	Semi-Annually	Semi-Annually	36.15	311.54
S-4	Saprolite	346.14	50	30	19	49	325.23	295.23	Annually	Semi-Annually	36.97	309.17
BEDROCK												
2MW-8S	Bedrock	359.24	128	20	108	128	248.8	228.8	Semi-Annually	Semi-Annually	58.04	301.20
2MW-9	Bedrock	349.45	93	20	73	93	274.47	254.47	Semi-Annually	Semi-Annually	39.19	310.26
2MW-11	Bedrock	345.54	120	20	100	120	243.61	223.61	Semi-Annually	Semi-Annually	35.58	309.96
2MW-8D	Bedrock	359.09	208	15	193	208	163.43	148.43	Biennially	Semi-Annually	43.23	315.86
2MW-10D	Bedrock	348.56	200	24	176	200	170.08	146.08	Biennially	Semi-Annually	30.83	317.73
HRD-1	Bedrock	341.11	140	20	120	140	221.11	201.11	Semi-Annually	Semi-Annually	28.30	312.81
B-5	Bedrock	345.99	140	86	54	140	290.08	204.08	Semi-Annually	Semi-Annually	36.89	309.10

NOTES:
BGS = below ground surface
ft = feet
BRE = below reference elevation
> MSL = above mean sea level
** Semi-annual frequency: May/June and November/December. Annual frequency: May/June. Biennial sampling: May/June of even years starting in 2012.
The low set points for the pump-and-treat system recovery (extraction) wells are: B-1: 300.97 ft MSL; B-2: 301.07 ft MSL; B-3: 306.43 ft MSL; B-4: 301.37 ft MSL; and B-6: 300.00 ft MSL.

TABLE 2
VOC Detections for CMS Units 2 and 7 Groundwater Monitoring
November 20, 2015
Former Appliance Park East Facility, Columbia, Maryland

Well - Sample ID	Trichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	Trans-1,2-dichloroethene (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Tetrachloroethene (ug/L)	Chloroform (ug/L)	1,1,2-Trichloroethane (ug/L)	Vinyl Chloride (ug/L)
Saprolite / Water Table									
7TP-1	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-5	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-6	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-7	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-8	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-9	**122**	**264**	**5.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2TP-10[CS]	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-11[CS]	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-13	NR	NR	NR	NR	NR	NR	NR	NR	NR
2TP-14	NR	NR	NR	NR	NR	NR	NR	NR	NR
2MW-4	**31.3**	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2MW-5*	**16**	**6.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2MW-6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2MW-12	NR	NR	NR	NR	NR	NR	NR	NR	NR
2MW-13[CP]	NR	NR	NR	NR	NR	NR	NR	NR	NR
S-2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-4	**NR**	**NR**	**NR**	**NR**	**NR**	**NR**	**NR**	**NR**	NR
Bedrock									
2MW-8S	**13,300 / 13,300**	**516 / 525**	**17.6 / 16.4**	**5.2 / 5.2**	**9.3 / 9.0**	**2.8 / 3.1**	<1.0	<1.0	**3.3 / 3.0**
2MW-9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2MW-11	**5.2**	**42.9**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2MW-8D	NR	NR	NR	NR	NR	NR	NR	NR	NR
2MW-10D	NR	NR	NR	NR	NR	NR	NR	NR	NR
HRD-1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-5	**7.4**	**30.8**	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Field Blank	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NOTES:

ug/L = Micrograms per liter
/ = Duplicate samples
NR = well not sampled - not required for this sampling event
NSD = Not sampled due to well being dry or had insufficient volume of water
Starting in November 2009 samples analyzed using EPA Method 8260
MW-12, MW-13, 2TP-10, and 2TP-11 added to semi-annual sampling in June 2011

< = result is less than or not detected at this limit of quantitation
[CS] Costal Plain & Saprolite
[CP] Coastal Plain/Perched Well

* Bromomethane (1.7 ug/L) was also detected in the November 20, 2015 sample from 2MW-5.

TABLE 3
Historical TCE Analytical Results for CMS Units 2 and 7 Groundwater Monitoring
Former Appliance Park East Facility, Columbia, Maryland

Well - Sample ID	Well Depth (ft BGS)	Well Screen (ft BGS) Top (ft BGS)	Well Screen (ft BGS) Bottom (ft BGS)	6/14/2007 TCE (ug/L)	12/20/2007 TCE (ug/L)	1/2008 TCE (ug/L)	5/16/2008 TCE (ug/L)	11/20/2008 TCE (ug/L)	5/29/2009 TCE (ug/L)	11/3/2009 TCE (ug/L)	5/21/2010 TCE (ug/L)	11/19/2010 TCE (ug/L)	6/6/2011 TCE (ug/L)	11/18/2011 TCE (ug/L)
Saprolite / Water Table														
7TP-1	24	4.0	24.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NSD	NR
2TP-5	63.0	48.0	63.0	30,000	NR	NC	32,000	NR	36,000	NR	33,000	NR	NR	NR
2TP-6	50.0	35.0	50.0	NSD	<2.0	NC	NSD	NSD	NSD	NSD	NSD	<1.0	NSD	NR
2TP-7	59.0	44.0	59.0	4,500	3,600	NC	3,800	3,200	4,200	3,200	2,800	2,300	NR	NR
2TP-8	62.0	47.0	62.0	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	NR
2TP-9	55.0	40.0	55.0	890	920	NC	930	820	940	760	690	570	450	240
2TP-10[CS]	21.9	13.0	23.0	NC	50,000	NC	NC	NC	NC	NC	NC	NC	68,000	NR
2TP-11[CS]	30.0	19.2	30.0	NC	3,200	NC	NC	NC	NC	NC	NC	NC	5,400	NR
2TP-13	59.0	44.0	59.0	<2.0	<2.0	NC	<2.0	0.7	0.5	<1.0	<1.0	<1.0	7.0	NR
2TP-14	58.0	43.0	58.0	5.4	4.6	NC	4.4	3.6	3.1	2.0 J	3.0 J	4.0 J	<5.0	NR
2MW-4	46.0	26.0	46.0	6.1	8.7	NC	10.0	9.4	13.0	11.0	14.0	16	22/22	20
2MW-5	68.0	53.0	68.0	76	69	NC	66	47	53	45	42	35	35	29
2MW-6	44.0	29.0	44.0	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<5.0
2MW-12	34.9	19.9	34.9	NA	NC	890	NC	NC	NC	NC	NC	NC	1,900	NR
2MW-13[CP]	11.0	3.0	11.0	NA	NC	8.1	NC	NC	NC	NC	NC	NC	21	NR
S-2	50.0	20.0	50.0	4	10	NC	9	7	6	5.0 J	5.0 J	3.0 J	<5.0	<5.0
S-3	50.0	20.0	50.0	3.2	3.0	NC	2.7	2.1	1.5	2.0 J	1.0 J	1.0 J	<5.0	<5.0
S-4	50.0	20.0	50.0	530	NR	NC	410	NR	330	NR	240	NR	<5.0	NR
Bedrock														
2MW-8S	128.0	108.0	128.0	16,000	19,000	NC	13,000	12,000	11,000	13,000	6,500	11,000	37,000	34,000/33,000
2MW-9	93.0	73.0	93.0	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<5.0
2MW-11	120.0	100.0	120.0	160	130	NC	140	110	130	160	120	90	11	<5.0
2MW-8D	208.0	193.0	208.0	130	120	NC	120	89	84	90	88	75	NR	NR
2MW-10D	200.0	176.0	200.0	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	NR	NR
HRD-1	140.0	120.0	140.0	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<5.0
B-5	140.0	54.0	140.0	190	160	NC	NS	160 E	100	120	100	25	6	6
Field Blank	-	-	-	<2.0	<2.0	NC	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<5.0

NOTES:

ug/L = Micrograms per liter
BGS = Below ground surface
[CS] Costal Plain & Saprolite
[CP] Coastal Plain/Perched Well
/ = Duplicate samples
TCE = Trichloroethene

NC = Not collected
NA = Not avaliable
NR = Not required for this sampling event
NS = Not sampled unable to retrieve passive bag sampler
NSD = Not sampled due to insufficient volume of water in well
< = result is less than or not detected at this limit of quantitation
MW-12, MW-13, 2TP-10, and 2TP-11 added to semi-annual sampling in June 2011
Starting in November 2009 samples analyzed using EPA Method 8260

TABLE 3
Historical TCE Analytical Results for CMS Units 2 and 7 Groundwater Monitoring
Former Appliance Park East Facility, Columbia, Maryland

Well - Sample ID	Well Depth (ft BGS)	Well Screen (ft BGS) Top (ft BGS)	Well Screen (ft BGS) Bottom (ft BGS)	5/21/2012 TCE (ug/L)	11/16/2012 TCE (ug/L)	5/30/2013 TCE (ug/L)	11/25/2013 TCE (ug/L)	5/27/2014 TCE (ug/L)	11/21/2014 TCE (ug/L)	5/22/2015 TCE (ug/L)	11/20/2015 TCE (ug/L)
Saprolite / Water Table											
7TP-1	24	4.0	24.0	NSD	NR	NSD	NR	NSD	NR	NSD	NR
2TP-5	63.0	48.0	63.0	25,000	NR	NR	NR	20,000	NR	NR	NR
2TP-6	50.0	35.0	50.0	NSD	NR	NSD	NR	NSD	NR	<1.0	NR
2TP-7	59.0	44.0	59.0	2,200	NR	NR	NR	1,600	NR	NR	NR
2TP-8	62.0	47.0	62.0	<5.0	NR	<5.0	NR	<5.0	NR	<1.0	NR
2TP-9	55.0	40.0	55.0	220	270	240	240	190	198	142	**122**
2TP-10[CS]	21.9	13.0	23.0	58,000	NR	53,000	NR	54,000	NR	55,300	NR
2TP-11[CS]	30.0	19.2	30.0	7,800	NR	6,400	NR	7,000	NR	7,240	NR
2TP-13	59.0	44.0	59.0	10	NR	10	NR	9	NR	8.9	NR
2TP-14	58.0	43.0	58.0	<5.0	NR	<5.0	NR	<5.0	NR	5.7	NR
2MW-4	46.0	26.0	46.0	30	<5.0	33	33	29	33	29.4	**31.3**
2MW-5	68.0	53.0	68.0	32	28	25	22	22	21.7	15.7	**16**
2MW-6	44.0	29.0	44.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
2MW-12	34.9	19.9	34.9	2,000	NR	1,200	NR	1,000	NR	292	NR
2MW-13[CP]	11.0	3.0	11.0	9	NR	13	NR	11	NR	11.8	NR
S-2	50.0	20.0	50.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.6	1	<1.0
S-3	50.0	20.0	50.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
S-4	50.0	20.0	50.0	280	NR	220	NR	150	NR	103	NR
Bedrock											
2MW-8S	128.0	108.0	128.0	29,000/30,000	30,000/32,000	28,000/30,000	23,000/23,000	18,000/18,000	14,700/16,800	14,700/13,600	13,300 / 13,300
2MW-9	93.0	73.0	93.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
2MW-11	120.0	100.0	120.0	<5.0	15	11	8	11	6.3	5.2	5.2
2MW-8D	208.0	193.0	208.0	71	NR	NR	NR	53	NR	NR	NR
2MW-10D	200.0	176.0	200.0	<5.0	NR	NR	NR	<5.0	NR	NR	NR
HRD-1	140.0	120.0	140.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
B-5	140.0	54.0	140.0	7	14	6	9	9	10.2	6	7.4
Field Blank	-	-	-	<5.0	<5.0	<5.0	<5.0	<5.0	1.0	<1.0	<1.0

NOTES:

ug/L = Micrograms per liter
BGS = Below ground surface
[CS] Costal Plain & Saprolite
[CP] Coastal Plain/Perched Well
/ = Duplicate samples
TCE = Trichloroethene

NC = Not collected
NA = Not avaliable
NR = Not required for this sampling event
NS = Not sampled unable to retrieve passive bag sampler
NSD = Not sampled due to insufficient volume of water in well
< = result is less than or not detected at this limit of quantitation
MW-12, MW-13, 2TP-10, and 2TP-11 added to semi-annual sampling in June 2011
Starting in November 2009 samples analyzed using EPA Method 8260

ATTACHMENT 1
LABORATORY REPORT

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 02, 2015

Belssi Chang
Tetra Tech GEO
51 Franklin Street
Suite 400
Annapolis, MD 21401

RE: Project: GEP&T
Pace Project No.: 30166019

Dear Belssi Chang:
Enclosed are the analytical results for sample(s) received by the laboratory on November 20, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed
timothy.reed@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: GEP&T
Pace Project No.: 30166019

Pennsylvania Certification IDs

Georgia Certification #: C040
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
L-A-B DOD-ELAP Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification #: PA014572015-1
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Certification
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: GEP&T
Pace Project No.: 30166019

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30166019001	**2TP-9**	Water	11/20/15 10:52	11/20/15 22:15
30166019002	**2MW-4**	Water	11/20/15 10:56	11/20/15 22:15
30166019003	**2MW-4 MS**	Water	11/20/15 10:56	11/20/15 22:15
30166019004	**2MW-4 MSD**	Water	11/20/15 10:56	11/20/15 22:15
30166019005	**2MW-5**	Water	11/20/15 10:39	11/20/15 22:15
30166019006	**2MW-6**	Water	11/20/15 10:01	11/20/15 22:15
30166019007	**S-2**	Water	11/20/15 10:14	11/20/15 22:15
30166019008	**S-3**	Water	11/20/15 10:20	11/20/15 22:15
30166019009	**2MW-8S**	Water	11/20/15 09:49	11/20/15 22:15
30166019010	**2MW-8**	Water	11/20/15 09:50	11/20/15 22:15
30166019011	**2MW-9**	Water	11/20/15 10:09	11/20/15 22:15
30166019012	**2MW-11**	Water	11/20/15 10:32	11/20/15 22:15
30166019013	**URD-1**	Water	11/20/15 10:25	11/20/15 22:15
30166019014	**B-5**	Water	11/20/15 10:45	11/20/15 22:15
30166019015	**Trip Blank**	Water	11/20/15 00:00	11/20/15 22:15
30166019016	**FB-1 (11/20/17)**	Water	11/20/15 00:00	11/20/15 22:15

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SAMPLE ANALYTE COUNT

Project: GEP&T
Pace Project No.: 30166019

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30166019001	**2TP-9**	EPA 8260B	JAS	34	PASI-PA
30166019002	**2MW-4**	EPA 8260B	JAS	34	PASI-PA
30166019003	**2MW-4 MS**	EPA 8260B	JAS	34	PASI-PA
30166019004	**2MW-4 MSD**	EPA 8260B	JAS	34	PASI-PA
30166019005	**2MW-5**	EPA 8260B	JAS	34	PASI-PA
30166019006	**2MW-6**	EPA 8260B	JAS	34	PASI-PA
30166019007	**S-2**	EPA 8260B	JAS	34	PASI-PA
30166019008	**S-3**	EPA 8260B	JAS	34	PASI-PA
30166019009	**2MW-8S**	EPA 8260B	JAS	34	PASI-PA
30166019010	**2MW-8**	EPA 8260B	JAS	34	PASI-PA
30166019011	**2MW-9**	EPA 8260B	JAS	34	PASI-PA
30166019012	**2MW-11**	EPA 8260B	JAS	34	PASI-PA
30166019013	**URD-1**	EPA 8260B	JAS	34	PASI-PA
30166019014	**B-5**	EPA 8260B	JAS	34	PASI-PA
30166019015	**Trip Blank**	EPA 8260B	JAS	34	PASI-PA
30166019016	**FB-1 (11/20/17)**	EPA 8260B	JAS	34	PASI-PA

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PROJECT NARRATIVE

Project: GEP&T
Pace Project No.: 30166019

Method: **EPA 8260B**
Description: 8260B MSV
Client: TetraTech GEO
Date: December 02, 2015

General Information:
16 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/25828

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30166019002

R1: RPD value was outside control limits.

- MSD (Lab ID: 989010)
  - Methylene Chloride

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2TP-9 **Lab ID: 30166019001** Collected: 11/20/15 10:52 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 16:13	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 16:13	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 16:13	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 16:13	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 16:13	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 16:13	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 16:13	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:13	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 16:13	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 16:13	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:13	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 16:13	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 16:13	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 16:13	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:13	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 16:13	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 16:13	75-35-4	
cis-1,2-Dichloroethene	**264**	ug/L	1.0	0.23	1		11/24/15 16:13	156-59-2	
trans-1,2-Dichloroethene	**5.6**	ug/L	1.0	0.22	1		11/24/15 16:13	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 16:13	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 16:13	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 16:13	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 16:13	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 16:13	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 16:13	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 16:13	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 16:13	79-00-5	
Trichloroethene	**122**	ug/L	1.0	0.33	1		11/24/15 16:13	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 16:13	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 16:13	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	96	%	81-119		1		11/24/15 16:13	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	77-126		1		11/24/15 16:13	17060-07-0	
Toluene-d8 (S)	99	%	84-115		1		11/24/15 16:13	2037-26-5	
Dibromofluoromethane (S)	100	%	70-130		1		11/24/15 16:13	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-4 **Lab ID: 30166019002** Collected: 11/20/15 10:56 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 16:40	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 16:40	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 16:40	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 16:40	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 16:40	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 16:40	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 16:40	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:40	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 16:40	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 16:40	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:40	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 16:40	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 16:40	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 16:40	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 16:40	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 16:40	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 16:40	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	0.23	1		11/24/15 16:40	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 16:40	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 16:40	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 16:40	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 16:40	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 16:40	75-09-2	R1
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 16:40	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 16:40	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 16:40	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 16:40	79-00-5	
Trichloroethene	**31.3**	ug/L	1.0	0.33	1		11/24/15 16:40	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 16:40	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 16:40	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	95	%	81-119		1		11/24/15 16:40	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	77-126		1		11/24/15 16:40	17060-07-0	
Toluene-d8 (S)	101	%	84-115		1		11/24/15 16:40	2037-26-5	
Dibromofluoromethane (S)	100	%	70-130		1		11/24/15 16:40	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-4 MS **Lab ID: 30166019003** Collected: 11/20/15 10:56 Received: 11/20/15 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**16.6**	ug/L	1.0	0.15	1		11/24/15 17:07	75-27-4	
Bromoform	**14.7**	ug/L	1.0	0.31	1		11/24/15 17:07	75-25-2	
Bromomethane	**11.3**	ug/L	1.0	0.58	1		11/24/15 17:07	74-83-9	
Carbon tetrachloride	**16.4**	ug/L	1.0	0.22	1		11/24/15 17:07	56-23-5	
Chlorobenzene	**15.8**	ug/L	1.0	0.13	1		11/24/15 17:07	108-90-7	
Chloroethane	**18.8**	ug/L	1.0	0.69	1		11/24/15 17:07	75-00-3	
2-Chloroethylvinyl ether	**13.7**	ug/L	2.0	0.28	1		11/24/15 17:07	110-75-8	c2
Chloroform	**15.5**	ug/L	1.0	0.19	1		11/24/15 17:07	67-66-3	
Chloromethane	**18.0**	ug/L	1.0	0.26	1		11/24/15 17:07	74-87-3	
Dibromochloromethane	**15.9**	ug/L	1.0	0.17	1		11/24/15 17:07	124-48-1	
1,2-Dichlorobenzene	**14.4**	ug/L	1.0	0.19	1		11/24/15 17:07	95-50-1	
1,3-Dichlorobenzene	**15.0**	ug/L	1.0	0.13	1		11/24/15 17:07	541-73-1	
1,4-Dichlorobenzene	**14.4**	ug/L	1.0	0.24	1		11/24/15 17:07	106-46-7	
Dichlorodifluoromethane	**22.4**	ug/L	1.0	0.49	1		11/24/15 17:07	75-71-8	
1,1-Dichloroethane	**15.3**	ug/L	1.0	0.19	1		11/24/15 17:07	75-34-3	
1,2-Dichloroethane	**15.4**	ug/L	1.0	0.36	1		11/24/15 17:07	107-06-2	
1,1-Dichloroethene	**15.8**	ug/L	1.0	0.26	1		11/24/15 17:07	75-35-4	
cis-1,2-Dichloroethene	**17.0**	ug/L	1.0	0.23	1		11/24/15 17:07	156-59-2	
trans-1,2-Dichloroethene	**14.9**	ug/L	1.0	0.22	1		11/24/15 17:07	156-60-5	
1,2-Dichloropropane	**15.6**	ug/L	1.0	0.23	1		11/24/15 17:07	78-87-5	
cis-1,3-Dichloropropene	**15.9**	ug/L	1.0	0.27	1		11/24/15 17:07	10061-01-5	
trans-1,3-Dichloropropene	**15.8**	ug/L	1.0	0.17	1		11/24/15 17:07	10061-02-6	
Methylene Chloride	**14.5**	ug/L	1.0	0.59	1		11/24/15 17:07	75-09-2	
1,1,2,2-Tetrachloroethane	**15.2**	ug/L	1.0	0.23	1		11/24/15 17:07	79-34-5	
Tetrachloroethene	**17.0**	ug/L	1.0	0.29	1		11/24/15 17:07	127-18-4	
1,1,1-Trichloroethane	**15.7**	ug/L	1.0	0.29	1		11/24/15 17:07	71-55-6	
1,1,2-Trichloroethane	**16.1**	ug/L	1.0	0.32	1		11/24/15 17:07	79-00-5	
Trichloroethene	**44.8**	ug/L	1.0	0.33	1		11/24/15 17:07	79-01-6	
Trichlorofluoromethane	**21.8**	ug/L	1.0	0.34	1		11/24/15 17:07	75-69-4	
Vinyl chloride	**17.0**	ug/L	1.0	0.20	1		11/24/15 17:07	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	95	%	81-119		1		11/24/15 17:07	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	77-126		1		11/24/15 17:07	17060-07-0	
Toluene-d8 (S)	105	%	84-115		1		11/24/15 17:07	2037-26-5	
Dibromofluoromethane (S)	103	%	70-130		1		11/24/15 17:07	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-4 MSD **Lab ID: 30166019004** Collected: 11/20/15 10:56 Received: 11/20/15 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**20.6**	ug/L	1.0	0.15	1		11/24/15 17:34	75-27-4	
Bromoform	**16.4**	ug/L	1.0	0.31	1		11/24/15 17:34	75-25-2	
Bromomethane	**11.3**	ug/L	1.0	0.58	1		11/24/15 17:34	74-83-9	
Carbon tetrachloride	**20.9**	ug/L	1.0	0.22	1		11/24/15 17:34	56-23-5	
Chlorobenzene	**18.9**	ug/L	1.0	0.13	1		11/24/15 17:34	108-90-7	
Chloroethane	**19.2**	ug/L	1.0	0.69	1		11/24/15 17:34	75-00-3	
2-Chloroethylvinyl ether	**13.4**	ug/L	2.0	0.28	1		11/24/15 17:34	110-75-8	c2
Chloroform	**18.6**	ug/L	1.0	0.19	1		11/24/15 17:34	67-66-3	
Chloromethane	**18.2**	ug/L	1.0	0.26	1		11/24/15 17:34	74-87-3	
Dibromochloromethane	**19.4**	ug/L	1.0	0.17	1		11/24/15 17:34	124-48-1	
1,2-Dichlorobenzene	**19.0**	ug/L	1.0	0.19	1		11/24/15 17:34	95-50-1	
1,3-Dichlorobenzene	**18.9**	ug/L	1.0	0.13	1		11/24/15 17:34	541-73-1	
1,4-Dichlorobenzene	**18.3**	ug/L	1.0	0.24	1		11/24/15 17:34	106-46-7	
Dichlorodifluoromethane	**22.1**	ug/L	1.0	0.49	1		11/24/15 17:34	75-71-8	
1,1-Dichloroethane	**18.9**	ug/L	1.0	0.19	1		11/24/15 17:34	75-34-3	
1,2-Dichloroethane	**19.4**	ug/L	1.0	0.36	1		11/24/15 17:34	107-06-2	
1,1-Dichloroethene	**19.8**	ug/L	1.0	0.26	1		11/24/15 17:34	75-35-4	
cis-1,2-Dichloroethene	**20.5**	ug/L	1.0	0.23	1		11/24/15 17:34	156-59-2	
trans-1,2-Dichloroethene	**19.2**	ug/L	1.0	0.22	1		11/24/15 17:34	156-60-5	
1,2-Dichloropropane	**18.9**	ug/L	1.0	0.23	1		11/24/15 17:34	78-87-5	
cis-1,3-Dichloropropene	**19.4**	ug/L	1.0	0.27	1		11/24/15 17:34	10061-01-5	
trans-1,3-Dichloropropene	**18.5**	ug/L	1.0	0.17	1		11/24/15 17:34	10061-02-6	
Methylene Chloride	**20.0**	ug/L	1.0	0.59	1		11/24/15 17:34	75-09-2	
1,1,2,2-Tetrachloroethane	**17.3**	ug/L	1.0	0.23	1		11/24/15 17:34	79-34-5	
Tetrachloroethene	**20.2**	ug/L	1.0	0.29	1		11/24/15 17:34	127-18-4	
1,1,1-Trichloroethane	**19.4**	ug/L	1.0	0.29	1		11/24/15 17:34	71-55-6	
1,1,2-Trichloroethane	**19.6**	ug/L	1.0	0.32	1		11/24/15 17:34	79-00-5	
Trichloroethene	**49.9**	ug/L	1.0	0.33	1		11/24/15 17:34	79-01-6	
Trichlorofluoromethane	**21.5**	ug/L	1.0	0.34	1		11/24/15 17:34	75-69-4	
Vinyl chloride	**17.8**	ug/L	1.0	0.20	1		11/24/15 17:34	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	99	%	81-119		1		11/24/15 17:34	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	77-126		1		11/24/15 17:34	17060-07-0	
Toluene-d8 (S)	100	%	84-115		1		11/24/15 17:34	2037-26-5	
Dibromofluoromethane (S)	98	%	70-130		1		11/24/15 17:34	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-5 **Lab ID: 30166019005** Collected: 11/20/15 10:39 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 18:00	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 18:00	75-25-2	
Bromomethane	**1.7**	ug/L	1.0	0.58	1		11/24/15 18:00	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:00	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:00	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 18:00	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 18:00	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:00	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:00	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:00	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:00	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:00	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 18:00	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 18:00	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:00	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 18:00	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:00	75-35-4	
cis-1,2-Dichloroethene	**6.4**	ug/L	1.0	0.23	1		11/24/15 18:00	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:00	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:00	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 18:00	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:00	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 18:00	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:00	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:00	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:00	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 18:00	79-00-5	
Trichloroethene	**16.0**	ug/L	1.0	0.33	1		11/24/15 18:00	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 18:00	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 18:00	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	103	%	81-119		1		11/24/15 18:00	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-126		1		11/24/15 18:00	17060-07-0	
Toluene-d8 (S)	97	%	84-115		1		11/24/15 18:00	2037-26-5	
Dibromofluoromethane (S)	103	%	70-130		1		11/24/15 18:00	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-6 **Lab ID: 30166019006** Collected: 11/20/15 10:01 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 18:27	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 18:27	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 18:27	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:27	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:27	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 18:27	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 18:27	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:27	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:27	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:27	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:27	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:27	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 18:27	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 18:27	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:27	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 18:27	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:27	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:27	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:27	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:27	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:27	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 18:27	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:27	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:27	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:27	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 18:27	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 18:27	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 18:27	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 18:27	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	107	%	81-119		1		11/24/15 18:27	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-126		1		11/24/15 18:27	17060-07-0	
Toluene-d8 (S)	93	%	84-115		1		11/24/15 18:27	2037-26-5	
Dibromofluoromethane (S)	104	%	70-130		1		11/24/15 18:27	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: S-2 **Lab ID: 30166019007** Collected: 11/20/15 10:14 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 18:54	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 18:54	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 18:54	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:54	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:54	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 18:54	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 18:54	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:54	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:54	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:54	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:54	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 18:54	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 18:54	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 18:54	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 18:54	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 18:54	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 18:54	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:54	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 18:54	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:54	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 18:54	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 18:54	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 18:54	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 18:54	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:54	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 18:54	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 18:54	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 18:54	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 18:54	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 18:54	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	97	%	81-119		1		11/24/15 18:54	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	77-126		1		11/24/15 18:54	17060-07-0	
Toluene-d8 (S)	99	%	84-115		1		11/24/15 18:54	2037-26-5	
Dibromofluoromethane (S)	102	%	70-130		1		11/24/15 18:54	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: S-3 **Lab ID: 30166019008** Collected: 11/20/15 10:20 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 19:21	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 19:21	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 19:21	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 19:21	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 19:21	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 19:21	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 19:21	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:21	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 19:21	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 19:21	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:21	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 19:21	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 19:21	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 19:21	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:21	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 19:21	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 19:21	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:21	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 19:21	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:21	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 19:21	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 19:21	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 19:21	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:21	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 19:21	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 19:21	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 19:21	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 19:21	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 19:21	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 19:21	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	97	%	81-119		1		11/24/15 19:21	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	77-126		1		11/24/15 19:21	17060-07-0	
Toluene-d8 (S)	98	%	84-115		1		11/24/15 19:21	2037-26-5	
Dibromofluoromethane (S)	108	%	70-130		1		11/24/15 19:21	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-8S **Lab ID: 30166019009** Collected: 11/20/15 09:49 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 23:23	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 23:23	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 23:23	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 23:23	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 23:23	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 23:23	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 23:23	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 23:23	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 23:23	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 23:23	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 23:23	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 23:23	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 23:23	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 23:23	75-71-8	
1,1-Dichloroethane	**5.2**	ug/L	1.0	0.19	1		11/24/15 23:23	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 23:23	107-06-2	
1,1-Dichloroethene	**9.3**	ug/L	1.0	0.26	1		11/24/15 23:23	75-35-4	
cis-1,2-Dichloroethene	**516**	ug/L	100	23.2	100		11/24/15 23:50	156-59-2	
trans-1,2-Dichloroethene	**17.6**	ug/L	1.0	0.22	1		11/24/15 23:23	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 23:23	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 23:23	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 23:23	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 23:23	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 23:23	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	0.29	1		11/24/15 23:23	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 23:23	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 23:23	79-00-5	
Trichloroethene	**13300**	ug/L	100	32.7	100		11/24/15 23:50	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 23:23	75-69-4	
Vinyl chloride	**3.3**	ug/L	1.0	0.20	1		11/24/15 23:23	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	100	%	81-119		1		11/24/15 23:23	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-126		1		11/24/15 23:23	17060-07-0	
Toluene-d8 (S)	101	%	84-115		1		11/24/15 23:23	2037-26-5	
Dibromofluoromethane (S)	103	%	70-130		1		11/24/15 23:23	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-8 **Lab ID: 30166019010** Collected: 11/20/15 09:50 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/25/15 00:17	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/25/15 00:17	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/25/15 00:17	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/25/15 00:17	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/25/15 00:17	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/25/15 00:17	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/25/15 00:17	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/25/15 00:17	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/25/15 00:17	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/25/15 00:17	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/25/15 00:17	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/25/15 00:17	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/25/15 00:17	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/25/15 00:17	75-71-8	
1,1-Dichloroethane	**5.2**	ug/L	1.0	0.19	1		11/25/15 00:17	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/25/15 00:17	107-06-2	
1,1-Dichloroethene	**9.0**	ug/L	1.0	0.26	1		11/25/15 00:17	75-35-4	
cis-1,2-Dichloroethene	**525**	ug/L	100	23.2	100		12/01/15 15:33	156-59-2	
trans-1,2-Dichloroethene	**16.4**	ug/L	1.0	0.22	1		11/25/15 00:17	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/25/15 00:17	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/25/15 00:17	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/25/15 00:17	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/25/15 00:17	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/25/15 00:17	79-34-5	
Tetrachloroethene	**3.1**	ug/L	1.0	0.29	1		11/25/15 00:17	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/25/15 00:17	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/25/15 00:17	79-00-5	
Trichloroethene	**13300**	ug/L	100	32.7	100		12/01/15 15:33	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/25/15 00:17	75-69-4	
Vinyl chloride	**3.0**	ug/L	1.0	0.20	1		11/25/15 00:17	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	96	%	81-119		1		11/25/15 00:17	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	77-126		1		11/25/15 00:17	17060-07-0	
Toluene-d8 (S)	96	%	84-115		1		11/25/15 00:17	2037-26-5	
Dibromofluoromethane (S)	106	%	70-130		1		11/25/15 00:17	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-9 **Lab ID: 30166019011** Collected: 11/20/15 10:09 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 19:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 19:48	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 19:48	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 19:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 19:48	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 19:48	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 19:48	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 19:48	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 19:48	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:48	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 19:48	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 19:48	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 19:48	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 19:48	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 19:48	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 19:48	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:48	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 19:48	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:48	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 19:48	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 19:48	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 19:48	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 19:48	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 19:48	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 19:48	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 19:48	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 19:48	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 19:48	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 19:48	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	99	%	81-119		1		11/24/15 19:48	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	77-126		1		11/24/15 19:48	17060-07-0	
Toluene-d8 (S)	100	%	84-115		1		11/24/15 19:48	2037-26-5	
Dibromofluoromethane (S)	104	%	70-130		1		11/24/15 19:48	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: 2MW-11 **Lab ID: 30166019012** Collected: 11/20/15 10:32 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 20:15	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 20:15	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 20:15	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 20:15	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 20:15	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 20:15	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 20:15	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:15	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 20:15	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 20:15	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:15	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 20:15	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 20:15	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 20:15	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:15	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 20:15	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 20:15	75-35-4	
cis-1,2-Dichloroethene	**42.9**	ug/L	1.0	0.23	1		11/24/15 20:15	156-59-2	
trans-1,2-Dichloroethene	**2.4**	ug/L	1.0	0.22	1		11/24/15 20:15	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 20:15	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 20:15	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 20:15	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 20:15	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 20:15	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 20:15	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 20:15	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 20:15	79-00-5	
Trichloroethene	**5.2**	ug/L	1.0	0.33	1		11/24/15 20:15	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 20:15	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 20:15	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	98	%	81-119		1		11/24/15 20:15	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-126		1		11/24/15 20:15	17060-07-0	
Toluene-d8 (S)	103	%	84-115		1		11/24/15 20:15	2037-26-5	
Dibromofluoromethane (S)	107	%	70-130		1		11/24/15 20:15	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: URD-1 **Lab ID: 30166019013** Collected: 11/20/15 10:25 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 20:42	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 20:42	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 20:42	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 20:42	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 20:42	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 20:42	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 20:42	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 20:42	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 20:42	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:42	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 20:42	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 20:42	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 20:42	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 20:42	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 20:42	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 20:42	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 20:42	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 20:42	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 20:42	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 20:42	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 20:42	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 20:42	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 20:42	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 20:42	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 20:42	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 20:42	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 20:42	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 20:42	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 20:42	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	90	%	81-119		1		11/24/15 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	77-126		1		11/24/15 20:42	17060-07-0	
Toluene-d8 (S)	98	%	84-115		1		11/24/15 20:42	2037-26-5	
Dibromofluoromethane (S)	103	%	70-130		1		11/24/15 20:42	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: B-5 **Lab ID: 30166019014** Collected: 11/20/15 10:45 Received: 11/20/15 22:15 Matrix: Water

Comments: • Sample collection dates and times were not present on the sample containers.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 21:09	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 21:09	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 21:09	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 21:09	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 21:09	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 21:09	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 21:09	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:09	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 21:09	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 21:09	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:09	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 21:09	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 21:09	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 21:09	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:09	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 21:09	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 21:09	75-35-4	
cis-1,2-Dichloroethene	**30.8**	ug/L	1.0	0.23	1		11/24/15 21:09	156-59-2	
trans-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.22	1		11/24/15 21:09	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 21:09	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 21:09	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 21:09	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 21:09	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 21:09	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 21:09	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 21:09	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 21:09	79-00-5	
Trichloroethene	**7.4**	ug/L	1.0	0.33	1		11/24/15 21:09	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 21:09	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 21:09	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	102	%	81-119		1		11/24/15 21:09	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	77-126		1		11/24/15 21:09	17060-07-0	
Toluene-d8 (S)	98	%	84-115		1		11/24/15 21:09	2037-26-5	
Dibromofluoromethane (S)	106	%	70-130		1		11/24/15 21:09	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: Trip Blank **Lab ID: 30166019015** Collected: 11/20/15 00:00 Received: 11/20/15 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 21:36	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 21:36	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 21:36	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 21:36	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 21:36	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 21:36	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 21:36	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:36	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 21:36	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 21:36	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:36	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 21:36	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 21:36	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 21:36	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 21:36	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 21:36	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 21:36	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 21:36	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 21:36	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 21:36	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 21:36	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 21:36	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 21:36	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 21:36	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 21:36	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 21:36	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 21:36	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 21:36	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 21:36	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 21:36	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	96	%	81-119		1		11/24/15 21:36	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	77-126		1		11/24/15 21:36	17060-07-0	
Toluene-d8 (S)	99	%	84-115		1		11/24/15 21:36	2037-26-5	
Dibromofluoromethane (S)	99	%	70-130		1		11/24/15 21:36	1868-53-7	

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ANALYTICAL RESULTS

Project: GEP&T
Pace Project No.: 30166019

Sample: FB-1 (11/20/17) **Lab ID: 30166019016** Collected: 11/20/15 00:00 Received: 11/20/15 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Bromodichloromethane	**<1.0**	ug/L	1.0	0.15	1		11/24/15 22:03	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	0.31	1		11/24/15 22:03	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	0.58	1		11/24/15 22:03	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.22	1		11/24/15 22:03	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 22:03	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	0.69	1		11/24/15 22:03	75-00-3	
2-Chloroethylvinyl ether	**<2.0**	ug/L	2.0	0.28	1		11/24/15 22:03	110-75-8	c2
Chloroform	**<1.0**	ug/L	1.0	0.19	1		11/24/15 22:03	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	0.26	1		11/24/15 22:03	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	0.17	1		11/24/15 22:03	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.19	1		11/24/15 22:03	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.13	1		11/24/15 22:03	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.24	1		11/24/15 22:03	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	0.49	1		11/24/15 22:03	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.19	1		11/24/15 22:03	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.36	1		11/24/15 22:03	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.26	1		11/24/15 22:03	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.23	1		11/24/15 22:03	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.22	1		11/24/15 22:03	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 22:03	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.27	1		11/24/15 22:03	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.17	1		11/24/15 22:03	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	0.59	1		11/24/15 22:03	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.23	1		11/24/15 22:03	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.29	1		11/24/15 22:03	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.29	1		11/24/15 22:03	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	0.32	1		11/24/15 22:03	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	0.33	1		11/24/15 22:03	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.34	1		11/24/15 22:03	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.20	1		11/24/15 22:03	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	98	%	81-119		1		11/24/15 22:03	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	77-126		1		11/24/15 22:03	17060-07-0	
Toluene-d8 (S)	95	%	84-115		1		11/24/15 22:03	2037-26-5	
Dibromofluoromethane (S)	103	%	70-130		1		11/24/15 22:03	1868-53-7	

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QUALITY CONTROL DATA

Project: GEP&T
Pace Project No.: 30166019

QC Batch: MSV/25828 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30166019001, 30166019002, 30166019003, 30166019004, 30166019005, 30166019006, 30166019007, 30166019008, 30166019009, 30166019010, 30166019011, 30166019012, 30166019013, 30166019014, 30166019015, 30166019016

METHOD BLANK: 989007 Matrix: Water
Associated Lab Samples: 30166019001, 30166019002, 30166019003, 30166019004, 30166019005, 30166019006, 30166019007, 30166019008, 30166019009, 30166019010, 30166019011, 30166019012, 30166019013, 30166019014, 30166019015, 30166019016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	0.29	11/24/15 13:58	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	0.23	11/24/15 13:58	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	0.32	11/24/15 13:58	
1,1-Dichloroethane	ug/L	<1.0	1.0	0.19	11/24/15 13:58	
1,1-Dichloroethene	ug/L	<1.0	1.0	0.26	11/24/15 13:58	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	0.19	11/24/15 13:58	
1,2-Dichloroethane	ug/L	<1.0	1.0	0.36	11/24/15 13:58	
1,2-Dichloropropane	ug/L	<1.0	1.0	0.23	11/24/15 13:58	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	0.13	11/24/15 13:58	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	0.24	11/24/15 13:58	
2-Chloroethylvinyl ether	ug/L	<2.0	2.0	0.28	11/24/15 13:58	
Bromodichloromethane	ug/L	<1.0	1.0	0.15	11/24/15 13:58	
Bromoform	ug/L	<1.0	1.0	0.31	11/24/15 13:58	
Bromomethane	ug/L	<1.0	1.0	0.58	11/24/15 13:58	
Carbon tetrachloride	ug/L	<1.0	1.0	0.22	11/24/15 13:58	
Chlorobenzene	ug/L	<1.0	1.0	0.13	11/24/15 13:58	
Chloroethane	ug/L	<1.0	1.0	0.69	11/24/15 13:58	
Chloroform	ug/L	<1.0	1.0	0.19	11/24/15 13:58	
Chloromethane	ug/L	<1.0	1.0	0.26	11/24/15 13:58	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	0.23	11/24/15 13:58	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	0.27	11/24/15 13:58	
Dibromochloromethane	ug/L	<1.0	1.0	0.17	11/24/15 13:58	
Dichlorodifluoromethane	ug/L	<1.0	1.0	0.49	11/24/15 13:58	
Methylene Chloride	ug/L	<1.0	1.0	0.59	11/24/15 13:58	
Tetrachloroethene	ug/L	<1.0	1.0	0.29	11/24/15 13:58	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	0.22	11/24/15 13:58	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	0.17	11/24/15 13:58	
Trichloroethene	ug/L	<1.0	1.0	0.33	11/24/15 13:58	
Trichlorofluoromethane	ug/L	<1.0	1.0	0.34	11/24/15 13:58	
Vinyl chloride	ug/L	<1.0	1.0	0.20	11/24/15 13:58	
1,2-Dichloroethane-d4 (S)	%	107	77-126		11/24/15 13:58	
4-Bromofluorobenzene (S)	%	96	81-119		11/24/15 13:58	
Dibromofluoromethane (S)	%	104	70-130		11/24/15 13:58	
Toluene-d8 (S)	%	100	84-115		11/24/15 13:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: GEP&T
Pace Project No.: 30166019

LABORATORY CONTROL SAMPLE: 989008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.9	89	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	58-128	
1,1,2-Trichloroethane	ug/L	20	19.0	95	69-120	
1,1-Dichloroethane	ug/L	20	17.6	88	66-129	
1,1-Dichloroethene	ug/L	20	17.9	89	59-133	
1,2-Dichlorobenzene	ug/L	20	19.0	95	67-128	
1,2-Dichloroethane	ug/L	20	18.6	93	66-123	
1,2-Dichloropropane	ug/L	20	19.0	95	69-121	
1,3-Dichlorobenzene	ug/L	20	18.8	94	68-121	
1,4-Dichlorobenzene	ug/L	20	18.4	92	70-117	
2-Chloroethylvinyl ether	ug/L	20	12.9	64	10-160	
Bromodichloromethane	ug/L	20	20.1	101	69-132	
Bromoform	ug/L	20	17.2	86	52-142	
Bromomethane	ug/L	20	10.6	53	14-151	
Carbon tetrachloride	ug/L	20	18.6	93	65-138	
Chlorobenzene	ug/L	20	18.7	94	69-120	
Chloroethane	ug/L	20	15.8	79	62-134	
Chloroform	ug/L	20	17.8	89	67-123	
Chloromethane	ug/L	20	16.6	83	54-143	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	66-122	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	64-125	
Dibromochloromethane	ug/L	20	19.0	95	61-135	
Dichlorodifluoromethane	ug/L	20	17.3	87	26-173	
Methylene Chloride	ug/L	20	20.0	100	56-130	
Tetrachloroethene	ug/L	20	19.2	96	62-122	
trans-1,2-Dichloroethene	ug/L	20	16.8	84	63-130	
trans-1,3-Dichloropropene	ug/L	20	17.1	86	62-122	
Trichloroethene	ug/L	20	18.2	91	61-126	
Trichlorofluoromethane	ug/L	20	18.4	92	64-133	
Vinyl chloride	ug/L	20	15.9	80	58-127	
1,2-Dichloroethane-d4 (S)	%			105	77-126	
4-Bromofluorobenzene (S)	%			98	81-119	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			102	84-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 989009 989010

Parameter	Units	30166019002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	15.7	19.4	79	97	54-140	21	30	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	15.2	17.3	76	87	54-124	13	30	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	16.1	19.6	81	98	58-120	19	30	
1,1-Dichloroethane	ug/L	<1.0	20	20	15.3	18.9	76	95	55-133	21	30	
1,1-Dichloroethene	ug/L	<1.0	20	20	15.8	19.8	79	99	48-141	23	30	
1,2-Dichlorobenzene	ug/L	<1.0	20	20	14.4	19.0	72	95	57-124	27	30	

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: GEP&T
Pace Project No.: 30166019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 989009 989010

Parameter	Units	30166019002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	<1.0	20	20	15.4	19.4	77	97	58-123	23	30	
1,2-Dichloropropane	ug/L	<1.0	20	20	15.6	18.9	78	94	55-125	19	30	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	15.0	18.9	75	95	62-113	23	30	
1,4-Dichlorobenzene	ug/L	<1.0	20	20	14.4	18.3	72	91	61-111	24	30	
2-Chloroethylvinyl ether	ug/L	<2.0	20	20	13.7	13.4	69	67	10-175	2	30	
Bromodichloromethane	ug/L	<1.0	20	20	16.6	20.6	83	103	55-127	22	30	
Bromoform	ug/L	<1.0	20	20	14.7	16.4	74	82	44-131	11	30	
Bromomethane	ug/L	<1.0	20	20	11.3	11.3	56	57	10-149	1	30	
Carbon tetrachloride	ug/L	<1.0	20	20	16.4	20.9	82	104	44-155	24	30	
Chlorobenzene	ug/L	<1.0	20	20	15.8	18.9	79	95	57-121	18	30	
Chloroethane	ug/L	<1.0	20	20	18.8	19.2	94	96	57-156	2	30	
Chloroform	ug/L	<1.0	20	20	15.5	18.6	77	93	56-132	18	30	
Chloromethane	ug/L	<1.0	20	20	18.0	18.2	90	91	42-163	1	30	
cis-1,2-Dichloroethene	ug/L	1.4	20	20	17.0	20.5	78	96	46-139	19	30	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	15.9	19.4	80	97	55-119	20	30	
Dibromochloromethane	ug/L	<1.0	20	20	15.9	19.4	80	97	52-129	20	30	
Dichlorodifluoromethane	ug/L	<1.0	20	20	22.4	22.1	112	110	10-175	2	30	
Methylene Chloride	ug/L	<1.0	20	20	14.5	20.0	73	100	38-134	32	30	R1
Tetrachloroethene	ug/L	<1.0	20	20	17.0	20.2	85	101	53-125	17	30	
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	14.9	19.2	75	96	52-136	25	30	
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	15.8	18.5	79	93	54-118	16	30	
Trichloroethene	ug/L	31.3	20	20	44.8	49.9	68	93	50-127	11	30	
Trichlorofluoromethane	ug/L	<1.0	20	20	21.8	21.5	109	108	63-167	1	30	
Vinyl chloride	ug/L	<1.0	20	20	17.0	17.8	85	89	54-149	4	30	
1,2-Dichloroethane-d4 (S)	%						108	106	77-126			
4-Bromofluorobenzene (S)	%						95	99	81-119			
Dibromofluoromethane (S)	%						103	98	70-130			
Toluene-d8 (S)	%						105	100	84-115			

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: GEP&T
Pace Project No.: 30166019

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GEP&T
Pace Project No.: 30166019

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30166019001	**2TP-9**	EPA 8260B	MSV/25828		
30166019002	**2MW-4**	EPA 8260B	MSV/25828		
30166019003	**2MW-4 MS**	EPA 8260B	MSV/25828		
30166019004	**2MW-4 MSD**	EPA 8260B	MSV/25828		
30166019005	**2MW-5**	EPA 8260B	MSV/25828		
30166019006	**2MW-6**	EPA 8260B	MSV/25828		
30166019007	**S-2**	EPA 8260B	MSV/25828		
30166019008	**S-3**	EPA 8260B	MSV/25828		
30166019009	**2MW-8S**	EPA 8260B	MSV/25828		
30166019010	**2MW-8**	EPA 8260B	MSV/25828		
30166019011	**2MW-9**	EPA 8260B	MSV/25828		
30166019012	**2MW-11**	EPA 8260B	MSV/25828		
30166019013	**URD-1**	EPA 8260B	MSV/25828		
30166019014	**B-5**	EPA 8260B	MSV/25828		
30166019015	**Trip Blank**	EPA 8260B	MSV/25828		
30166019016	**FB-1 (11/20/17)**	EPA 8260B	MSV/25828		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1915950

Section A Required Client Information:

Company: TetraTech GEO
Address: 51 Franklin St, Suite 400
Annapolis, MD 21041
Email To: BelssiChang@TetraTech.com
Phone: 4109904607 Fax: 4109904749
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Belssi Chang
Copy To:
Purchase Order No.:
Project Name: GE Pst
Project Number:

Section C Invoice Information:

Attention: Belssi Chang
Company Name: Same
Address: Same
Pace Quote Reference:
Pace Project Manager: Timothy Reed
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: 8260 VOC'S

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/Grab Date	COLLECTED Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260 VOC'S (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 30166019
1	2TP-9			11-20	1052	11-20			3				X					X		001
2	2MW-4 (MS/MSD)				1056	11-20			9											002,003,004
3	2MW-5				1039				3											005
4	2MW-6				1001															006
5	S-2				1014															007
6	S-3				1020															008
7	2MW-8S				0944															009
8	2MW-8				0950															010
9	2MW-9				1009															011
10	2MW-11				1012															012
11	HRD-1				1025															013
12	B-5				1045															014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Dave Seaman S&S Tech	11/20/15	1200	DL Hillegass Pace	11-20-15	1200				
	DL Hillegass	11-20-15	1215	Alyna R Mckinney Pace	11/20/15	1215	4.3	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave Seaman

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11/20/15

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

1915949

Section A Required Client Information:

Company: Tetra Tech GEO
Address: 31 Franklin St., Suite 400
Annapolis, MD 21041
Email To: DelssiChang@TetraTech.com
Phone: 4109904607 Fax: 4109904749
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Delssi Chang
Copy To:
Purchase Order No.:
Project Name: GE PST
Project Number:

Section C Invoice Information:

Attention: Delssi Chang
Company Name: same
Address: same
Pace Quote Reference:
Pace Project Manager: Timothy Reed
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	8260 VOC's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Trip Blank								2										x		016
2	~~Field Blank~~ FB-1 (11/20/15)								3				x						x		016
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

30166019

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Dave Seuman S&S Tech	11/20/15	1200	DL Hillegass Pace	11-20-15	1200				
	DL Hillegass	11-20-15	2215	Alyna R. Michmay PACE	11/20/15	2215	4.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave Seuman

SIGNATURE of SAMPLER: Dave Se

DATE Signed (MM/DD/YY): 11/20/15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

30166019

Sample Condition Upon Receipt

Pace Analytical

Client Name: Tetra Tech

Project # _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no Biological Tissue is Frozen: Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ___ None ___ Other _____

Thermometer Used 10 Type of Ice: (Wet) Blue None ☑ Samples on Ice, cooling process has begun

Cooler Temp.: Observed Temp.: 4.5 °C Correction Factor: -0.2 °C Final Temp: 4.3 °C

Date and initials of person examining contents: 11/21/15

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☐Yes ☑No ☐N/A	12. No time on labels
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☑No ☐N/A	
exceptions: VOA coliform, TOC, O&G, Phenols	☐Yes ☐No	Initial when completed AM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 11/23/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

30166019

Pace Analytical

page 2

Project Number:

Client Name: TETRATECH

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml / 30 ml) Unpreserved	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	WT													3	ARM 11/21/15									
014	WT													3										
015	WT													2										
016	WT													3										

SCURF Back (C016-4 15May2012).xls