



DuPont Pompton Lakes Works
2000 Cannonball Road
Pompton Lakes, NJ 07442

January 7, 2014

Mr. Philip D. Flax
USEPA REGION 2
290 Broadway
Mail Code: 22ND FL
New York, NY 10007-1866

**RE: EISB Pilot Study Status Report #6
DuPont Pompton Lakes Works
Pompton Lakes, New Jersey**

Dear Mr. Flax:

Enclosed is the monthly status report that summarizes activities associated with the interim remedial measure (IRM) pilot study using enhanced in-situ bioremediation (EISB) being conducted in accordance with the Agency-approved *Implementation Work Plan for Application of EISB to Intermediate Groundwater Near Well 128* dated January 31, 2012 and *Technical Memorandum –Response to Comments* dated March 30, 2012.

This status report covers the time period of December 1 through 31, 2013. In accordance with the 180-day permit-by-rule issued by the New Jersey Department of Environmental Protection (NJDEP), the system was shut down on December 20, 2013.

If you have any questions, please contact me at (973) 492-7733.

Sincerely,

A handwritten signature in black ink that reads "David E. Epps".

David E. Epps, P.G.
Project Director, Pompton Lakes Works
DuPont Corporate Remediation Group

cc: Anthony Cinque – NJDEP
PLW Central File

Monthly Progress Report – EISB Pilot Study
Report Period – December 1, 2013 through December 31, 2013

DuPont Pompton Lakes Works
Pompton Lakes, New Jersey

This monthly report summarizes activities completed from December 1 to 31, 2013 associated with the interim remedial measure (IRM) pilot study using enhanced in-situ bioremediation (EISB) in the intermediate aquifer in the area of monitoring well cluster 128 (see Figure 1 for Site layout). Work is being conducted in accordance with the Agency-approved *Implementation Work Plan for Application of EISB to Intermediate Groundwater Near Well 128* dated January 31, 2012 and *Technical Memorandum – Response to Comments* dated March 30, 2012.

Activities Completed During Reporting Period (December 1, 2013 to December 31, 2013)

Activities completed during the reporting period included system operation and sampling.

Recirculation System Operation/Maintenance

- The target groundwater extraction rate at EW01 was 2 gallons per minute (GPM) between December 1st and December 20th to prevent excessive drawdown at EW01. By December 19th, the system was unable to operate at an extraction rate greater than 1.4 GPM without causing a system shutdown by triggering the low water level switch in EW01 (i.e., drawing the water level below 60 feet below top of casing [ft btoc]).
- Sodium lactate was amended to the re-injected groundwater once per day from December 1st to December 19th at a target time weighted average of lactate at 165 milligrams per liter (mg/L).
- Routine system maintenance (e.g., particulate filter change outs, flow rate adjustments) was conducted between December 1st and December 20th.
- The system was found to be shut down with no alarm conditions on December 10th. The system was inspected for leaks and, after none were detected, the system was restarted.
- No leak detection alarms were recorded between December 1st and December 20th.
- One high pressure alarm in the EW01 vault occurred on December 6th following the adjustment of the extraction well flow control valve. The alarm was cleared and the system was reset.
- The system was shut down on December 20th at the end of the permit-by-rule period.

Results to Date

Groundwater Pumping

From system start-up (June 24, 2013) to December 19th, the total groundwater reinjected was 449,534 gallons.

Lactate Addition

From system start-up (June 24, 2013) to December 19th, approximately 110 gallons of sodium lactate was amended to the re-injected groundwater.

Water Level Monitoring

Manual water level measurements were collected approximately once per week between December 1st and December 20th in the surrounding monitoring wells during system operation (Table 1). Results are reported as depth-to-water in units of ft btoe and as converted elevation in units of feet relative to mean sea level (ft msl). Level logger data from IW01, IW02, IW03, EW01, 128I, and 128S will be included in the final pilot study report.

Water Quality Monitoring

Groundwater samples for the monthly sampling event were collected during the week of December 16th. A summary of the water quality field parameter data recorded during well purging and prior to sampling is provided in Table 2 and the volatile organic compound (VOC), dissolved hydrocarbon gases (DHG), and total organic carbon (TOC) data from baseline up to the fourth monthly sampling event (November 18th) is presented in Table 3. The results following the EW01 rehabilitation in November indicate that VOC concentrations of dichloroethene (cis and trans), vinyl chloride, ethane, and ethane are starting to increase slightly in the target intermediate zone of ML02, ML04, and EW01. A complete copy of the analytical results generated during these events will be provided in the final pilot study report.

Bromide Tracer Monitoring

Bromide addition ceased on August 16th. Bromide monitoring was completed in October. No further bromide field data has been collected.

Summary

Groundwater recirculation and electron donor amendment was completed as per the permit-by-rule on December 20th. Future groundwater monitoring activities will continue to assess concentrations of key parameters in order to evaluate the performance of the EISB system.

Upcoming Activities

Activities scheduled for 2014 include:

- Semi-annual monitoring event (week of January 13th);
 - Removal of packers and EISB instrumentation from IW01, IW02, IW03, and EW01 (week of January 13th);
 - Borehole dilution test in IW02 (week of January 20th),
 - Submission of EISB Pilot Study Report (Spring 2014), and
 - Annual monitoring event (July 2014 if necessary).
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Attachments

Table 1: Depth to Groundwater

Table 2: Field Parameter Results

Table 3: Select Target Compound Results

Figure 1: Site Layout

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation	Date	Time	Depth to Water	Groundwater Elevation
	(ft amsl)				
128S	218.99	5/1/2013	12:40	9.9	209.09
		6/21/2013	16:03	8.3	210.69
		6/24/2013	11:40	8.78	210.21
		07/19/13	9:44	8.93	210.06
		07/23/13	14:49	9.05	209.94
		07/29/13	15:15	9.25	209.74
		08/06/13	16:10	9.48	209.51
		08/08/13	13:15	9.52	209.47
		08/16/13	10:47	9.66	209.33
		08/20/13	13:35	9.76	209.23
		08/29/13	13:02	10.01	208.98
		09/05/13	13:56	10.22	208.77
		09/16/13	11:55	10.53	208.46
		09/19/13	14:34	10.62	208.37
		10/02/13	15:14	10.92	208.07
		10/16/13	10:30	11.25	207.74
		11/19/13	NR	12.02	206.97
		11/20/13	NR	12.04	206.95
		11/26/13	12:25	12.18	206.81
		12/04/13	11:53	12.20	206.79
12/11/13	12:16	12.28	206.71		
12/23/13	12:28	12.21	206.78		
128I	218.79	5/2/2013	9:00	9.56	209.23
		6/21/2013	16:19	8.09	210.70
		6/24/2013	11:46	8.07	210.72
		07/19/13	9:47	8.75	210.04
		07/23/13	14:34	8.80	209.99
		07/29/13	15:05	9.07	209.72
		08/06/13	16:00	9.29	209.50
		08/08/13	13:12	9.26	209.53
		08/16/13	10:44	9.51	209.28
		08/20/13	13:40	9.63	209.16
		08/29/13	12:51	9.94	208.85
		09/05/13	13:45	10.10	208.69
		09/16/13	11:45	10.42	208.37
		09/19/13	14:26	10.54	208.25
		10/02/13	15:03	10.57	208.22
		10/16/13	10:19	10.90	207.89
		11/20/13	NR	11.97	206.82
		11/26/13	12:35	12.09	206.70
		12/04/13	12:06	12.27	206.52
		12/11/13	12:06	12.15	206.64
12/23/13	12:09	12.12	206.67		
EW01-Upper	218.71	5/16/2013	14:45	9.50	209.21
		6/21/2013	15:07	7.88	210.83
		6/24/2013	13:48	7.86	210.85
		6/28/2013	10:48	7.95	210.76
		07/09/13	12:18	8.38	210.33
		07/19/13	10:53	8.46	210.25
		07/23/13	8:54	8.59	210.12
		07/26/13	13:40	8.53	210.18
		08/06/13	10:20	9.08	209.63
		08/08/13	13:34	9.07	209.64
10/16/13	8:56	10.79	207.92		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
IW01-Upper	217.65	5/14/2013	10:37	9.64	208.01
		6/21/2013	16:34	7.98	209.67
		6/24/2013	11:31	7.95	209.70
		07/03/13	11:55	8.11	209.54
		07/09/13	11:45	8.45	209.20
		07/10/13	13:42	8.25	209.40
		07/19/13	9:54	8.54	209.11
		07/23/13	13:50	8.68	208.97
		07/26/13	12:20	8.78	208.87
		07/29/13	14:00	8.87	208.78
		08/06/13	15:23	9.11	208.54
		08/08/13	12:05	9.19	208.46
		08/16/13	10:37	9.31	208.34
		08/20/13	13:05	9.41	208.24
		08/22/13	8:44	9.48	208.17
		08/28/13	15:03	9.64	208.01
		09/05/13	13:11	9.85	207.80
		09/13/13	14:43	10.09	207.56
		09/19/13	13:34	10.25	207.40
		09/25/13	11:25	10.20	207.45
10/02/13	13:45	10.56	207.09		
10/16/13	10:06	10.92	206.73		
11/19/13	NR	11.71	205.94		
11/26/13	10:00	11.82	205.83		
12/04/13	11:35	11.85	205.80		
12/11/13	11:00	11.94	205.71		
12/23/13	11:42	11.94	205.71		
IW01-Lower	217.65	5/14/2013	14:38	9.73	207.92
		6/21/2013	16:36	8.06	209.59
		6/24/2013	11:33	8.04	209.61
		07/04/13	11:53	8.15	209.50
		07/09/13	11:43	8.55	209.10
		07/10/13	13:42	8.30	209.35
		07/19/13	9:53	8.92	208.73
		07/23/13	13:45	8.45	209.20
		07/26/13	12:21	8.87	208.78
		07/29/13	14:01	8.65	209.00
		08/06/13	15:22	9.18	208.47
		08/08/13	12:03	9.18	208.47
		08/16/13	10:37	9.41	208.24
		08/20/13	13:05	9.50	208.15
		08/22/13	8:45	9.57	208.08
		08/28/13	15:04	9.73	207.92
		09/05/13	13:10	9.96	207.69
		09/13/13	14:43	10.23	207.42
		09/19/13	13:35	10.39	207.26
		09/25/13	11:35	10.55	207.10
10/02/13	13:44	10.75	206.90		
10/16/13	10:06	11.06	206.59		
11/19/13	NR	11.82	205.83		
11/26/13	9:50	11.96	205.69		
12/04/13	11:36	12.00	205.65		
12/11/13	11:01	12.04	205.61		
12/23/13	11:42	12.09	205.56		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation	Date	Time	Depth to Water	Groundwater Elevation
	(ft amsl)				
IW02-Upper	217.59	6/4/2013	10:15	8.38	209.21
		6/21/2013	16:53	7.24	210.35
		6/24/2013	15:34	7.22	210.37
		6/28/2013	13:16	7.32	210.27
		07/19/13	10:02	7.80	209.79
		07/23/13	12:11	7.96	209.63
		07/26/13	12:59	8.05	209.54
		07/29/13	14:55	8.14	209.45
		08/06/13	15:07	8.36	209.23
		08/08/13	13:05	8.43	209.16
		08/20/13	13:50	8.28	209.31
	08/22/13	8:50	8.73	208.86	
	10/16/13	10:01	10.21	207.38	
IW03-Upper	217.58	5/15/2013	11:30	9.62	207.96
		6/21/2013	17:02	7.98	209.60
		6/24/2013	11:26	7.95	209.63
		6/28/2013	12:10	8.01	209.57
		07/04/13	10:34	8.13	209.45
		07/09/13	10:49	8.48	209.10
		07/10/13	9:40	8.26	209.32
		07/19/13	10:22	8.55	209.03
		07/23/13	11:17	8.67	208.91
		07/26/13	11:27	8.78	208.80
		07/29/13	12:35	8.87	208.71
		08/06/13	14:12	9.13	208.45
		08/08/13	11:25	9.18	208.40
		08/16/13	10:28	9.32	208.26
		08/20/13	12:30	9.46	208.12
		08/22/13	8:36	9.48	208.10
		08/28/13	14:41	9.65	207.93
		09/05/13	12:07	9.87	207.71
		09/13/13	13:48	10.09	207.49
		09/19/13	11:42	10.27	207.31
		09/25/13	11:55	10.50	207.08
10/02/13	12:27	10.57	207.01		
10/16/13	9:33	10.93	206.65		
11/19/13	NR	11.70	205.88		
11/26/13	9:12	11.81	205.77		
12/04/13	10:33	11.77	205.81		
12/11/13	10:28	11.89	205.69		
12/23/13	11:01	11.95	205.63		
IW03-Lower	217.58	5/16/2013	10:25	9.62	207.96
		6/21/2013	17:03	8.03	209.55
		6/24/2013	11:27	8.08	209.50
		6/28/2013	12:11	8.15	209.43
		07/03/13	10:27	8.25	209.33
		07/09/13	10:49	8.50	209.08
		07/10/13	9:40	8.20	209.38
		07/19/13	10:22	8.58	209.00
		07/23/13	11:16	8.55	209.03
		07/26/13	11:26	8.81	208.77
		07/29/13	12:36	8.92	208.66
		08/06/13	14:13	9.11	208.47
		08/08/13	11:25	9.17	208.41
		08/16/13	10:28	9.36	208.22
		08/20/13	12:30	9.48	208.10
		08/22/13	8:35	9.51	208.07
		08/28/13	14:40	9.70	207.88
09/05/13	12:06	9.93	207.65		
09/13/13	13:48	10.21	207.37		

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Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
IW03-Lower	217.58	09/19/13	11:41	10.37	207.21
		09/25/13	12:00	10.40	207.18
		10/02/13	12:26	10.69	206.89
		10/16/13	9:33	11.06	206.52
		11/19/13	NR	11.80	205.78
		11/26/13	9:11	11.92	205.66
		12/04/13	10:34	11.96	205.62
		12/11/13	10:21	12.00	205.58
		12/23/13	11:01	12.09	205.49
ML02-1	217.80	5/14/2013	8:50	9.70	208.10
		6/24/2013	11:53	7.75	210.05
		07/02/13	14:30	7.91	209.89
		07/09/13	9:59	8.21	209.59
		07/10/13	13:12	8.00	209.80
		07/12/13	10:20	8.07	209.73
		07/19/13	10:15	8.64	209.16
		07/23/13	10:27	8.79	209.01
		07/26/13	10:30	8.89	208.91
		07/29/13	11:32	8.98	208.82
		07/31/13	10:45	9.02	208.78
		08/06/13	11:28	9.21	208.59
		08/08/13	10:31	9.27	208.53
		08/14/13	NR	9.88	207.92
		08/16/13	10:15	9.42	208.38
		08/20/13	10:24	9.52	208.28
		08/27/13	9:15	9.74	208.06
		09/05/13	10:40	10.05	207.75
		09/12/13	8:48	10.11	207.69
		09/19/13	10:43	10.37	207.43
		09/24/13	9:14	10.15	207.65
		10/02/13	10:54	10.68	207.12
		10/16/13	9:20	11.02	206.78
		11/18/13	NR	11.82	205.98
11/26/13	8:59	11.88	205.92		
12/04/13	10:11	11.92	205.88		
12/11/13	9:50	11.95	205.85		
12/18/13	8:50	11.94	205.86		
12/23/13	9:40	11.98	205.82		
ML02-2	217.80	5/15/2013	10:25	9.69	208.11
		6/24/2013	11:54	7.73	210.07
		07/02/13	14:31	7.91	209.89
		07/09/13	9:59	8.21	209.59
		07/10/13	13:12	7.98	209.82
		07/12/13	10:20	8.05	209.75
		07/19/13	10:16	8.63	209.17
		07/23/13	10:27	8.79	209.01
		07/26/13	10:31	8.89	208.91
		07/29/13	11:33	8.96	208.84
		07/31/13	10:45	9.00	208.80
		08/06/13	11:29	9.16	208.64
		08/08/13	10:31	9.19	208.61
		08/14/13	NR	9.41	208.39
		08/16/13	10:15	9.39	208.41
		08/20/13	10:24	9.48	208.32
		08/27/13	9:15	9.70	208.10
		09/05/13	10:41	9.93	207.87
		09/12/13	8:49	10.11	207.69
		09/19/13	10:44	10.33	207.47
09/24/13	9:15	10.10	207.70		

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Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
ML02-2	217.80	10/02/13	10:55	10.59	207.21
		10/16/13	9:20	11.00	206.80
		11/18/13	NR	11.74	206.06
		11/26/13	8:59	11.82	205.98
		12/04/13	10:12	11.88	205.92
		12/11/13	9:51	11.93	205.87
		12/18/13	8:50	12.04	205.76
		12/23/13	9:40	12.00	205.80
ML02-3	217.80	5/14/2013	15:10	9.69	208.11
		6/24/2013	11:54	7.78	210.02
		07/02/13	14:31	7.92	209.88
		07/09/13	9:59	7.97	209.83
		07/10/13	13:13	7.68	210.12
		07/12/13	10:21	8.05	209.75
		07/19/13	10:16	8.38	209.42
		07/23/13	10:26	8.81	208.99
		07/26/13	10:31	8.61	209.19
		07/29/13	11:33	8.70	209.10
		07/31/13	10:46	8.76	209.04
		08/06/13	11:30	8.89	208.91
		08/08/13	10:32	8.98	208.82
		08/14/13	NR	9.16	208.64
		08/16/13	10:16	9.12	208.68
		08/20/13	10:25	9.23	208.57
		08/27/13	9:16	9.40	208.40
		09/05/13	10:42	9.66	208.14
		09/12/13	8:49	9.99	207.81
		09/19/13	10:45	10.16	207.64
		09/24/13	9:16	9.98	207.82
		10/02/13	10:55	10.49	207.31
		10/16/13	9:21	10.99	206.81
		11/18/13	NR	11.57	206.23
11/26/13	9:00	11.65	206.15		
12/04/13	10:13	11.75	206.05		
12/11/13	9:51	11.82	205.98		
12/18/13	8:50	11.90	205.90		
12/23/13	9:41	12.00	205.80		
ML02-4	217.80	5/14/2013	13:35	9.69	208.11
		6/24/2013	11:55	7.67	210.13
		07/02/13	14:32	7.93	209.87
		07/09/13	10:00	8.15	209.65
		07/10/13	13:13	7.90	209.90
		07/12/13	10:21	8.05	209.75
		07/19/13	10:17	8.57	209.23
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		08/08/13	10:33	9.16	208.64
		08/14/13	NR	9.35	208.45
		08/16/13	10:16	9.34	208.46
		08/20/13	10:25	9.44	208.36
		08/27/13	9:16	9.66	208.14
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09/24/13	9:17	10.08	207.72		
10/02/13	10:56	10.60	207.20		

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Pompton Lakes, New Jersey**

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ML02-4	217.80	10/16/13	9:21	10.99	206.81
		11/18/13	NR	11.73	206.07
		11/26/13	9:01	11.82	205.98
		12/04/13	10:13	11.87	205.93
		12/11/13	9:52	11.92	205.88
		12/18/13	8:51	11.98	205.82
		12/23/13	9:41	12.00	205.80
ML02-5	217.80	5/14/2013	11:35	9.71	208.09
		6/24/2013	11:56	7.71	210.09
		07/02/13	14:33	7.92	209.88
		07/09/13	10:00	8.20	209.60
		07/10/13	13:14	7.99	209.81
		07/12/13	10:21	8.04	209.76
		07/19/13	10:17	8.64	209.16
		07/23/13	10:25	8.78	209.02
		07/26/13	10:32	8.84	208.96
		07/29/13	11:34	8.94	208.86
		07/31/13	10:47	9.02	208.78
		08/06/13	11:31	9.17	208.63
		08/08/13	10:33	9.22	208.58
		08/14/13	NR	9.42	208.38
		08/16/13	10:24	9.40	208.40
		08/20/13	10:26	9.51	208.29
		08/27/13	9:16	9.72	208.08
		09/05/13	10:44	9.95	207.85
		09/12/13	8:51	10.12	207.68
		09/19/13	10:46	10.33	207.47
		09/24/13	9:18	10.12	207.68
		10/02/13	10:57	10.64	207.16
		10/16/13	9:22	10.99	206.81
		11/18/13	NR	11.78	206.02
		11/26/13	9:01	11.84	205.96
12/04/13	10:14	11.89	205.91		
12/11/13	9:54	11.94	205.86		
12/18/13	8:51	11.97	205.83		
12/23/13	9:42	12.00	205.80		
ML02-6	217.80	5/14/2013	10:07	9.69	208.11
		6/24/2013	11:56	7.71	210.09
		07/02/13	14:33	7.92	209.88
		07/09/13	10:00	8.20	209.60
		07/10/13	13:14	7.98	209.82
		07/12/13	10:21	8.04	209.76
		07/19/13	10:18	8.63	209.17
		07/23/13	10:25	8.76	209.04
		07/26/13	10:32	8.84	208.96
		07/29/13	11:35	8.94	208.86
		07/31/13	10:48	9.02	208.78
		08/06/13	11:31	9.18	208.62
		08/08/13	10:33	9.25	208.55
		08/14/13	NR	9.42	208.38
		08/16/13	10:24	9.40	208.40
		08/20/13	10:26	9.53	208.27
		08/27/13	9:17	9.72	208.08
		09/05/13	10:45	9.95	207.85
		09/12/13	8:51	10.12	207.68
		09/19/13	10:47	10.34	207.46
		09/24/13	9:19	10.12	207.68
		10/02/13	10:57	10.65	207.15
		10/16/13	9:23	10.99	206.81
		11/18/13	NR	11.78	206.02

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
ML02-6	217.80	11/26/13	9:02	11.86	205.94
		12/04/13	10:14	11.90	205.90
		12/11/13	9:55	11.95	205.85
		12/18/13	8:52	11.98	205.82
		12/23/13	9:42	11.98	205.82
ML02-7	217.8	5/15/2013	12:20	9.71	208.09
		6/24/2013	11:57	7.77	210.03
		07/02/13	14:34	7.98	209.82
		07/09/13	10:01	8.34	209.46
		07/10/13	13:15	8.01	209.79
		07/12/13	10:27	8.03	209.77
		07/19/13	10:18	8.77	209.03
		07/23/13	10:24	8.70	209.10
		07/26/13	10:33	8.98	208.82
		07/29/13	11:35	9.08	208.72
		07/31/13	10:48	9.14	208.66
		08/06/13	11:32	9.21	208.59
		08/08/13	10:34	9.26	208.54
		08/14/13	NR	9.55	208.25
		08/16/13	10:25	9.49	208.31
		08/20/13	10:26	9.63	208.17
		08/27/13	9:17	9.84	207.96
		09/05/13	10:45	10.02	207.78
		09/12/13	8:52	10.26	207.54
		09/19/13	10:47	10.47	207.33
		09/24/13	9:20	10.25	207.55
		10/02/13	10:58	10.79	207.01
		10/16/13	9:24	11.14	206.66
		11/18/13	NR	12.08	205.72
11/26/13	9:03	12.23	205.57		
12/04/13	10:15	12.23	205.57		
12/11/13	9:56	12.26	205.54		
12/18/13	8:52	12.25	205.55		
12/23/13	9:42	12.21	205.59		
ML04-1	217.71	5/16/2013	10:00	9.19	208.52
		6/24/2013	12:03	7.75	209.96
		6/28/2013	11:14	7.99	209.72
		07/02/13	11:48	8.13	209.58
		07/09/13	9:19	8.05	209.66
		07/10/13	9:04	7.83	209.88
		07/12/13	8:56	7.91	209.80
		07/19/13	8:35	8.52	209.19
		07/23/13	9:37	8.62	209.09
		07/26/13	9:22	8.75	208.96
		07/29/13	10:17	8.83	208.88
		07/31/13	8:59	9.10	208.61
		08/06/13	9:43	9.09	208.62
		08/08/13	9:35	9.16	208.55
		08/15/13	9:20	9.34	208.37
		08/16/13	10:08	9.30	208.41
		08/20/13	9:27	9.45	208.26
		08/27/13	9:20	9.55	208.16
		09/05/13	9:01	9.86	207.85
		09/12/13	8:54	10.10	207.61
		09/13/13	11:49	10.11	207.60
		09/19/13	9:16	10.32	207.39
		09/24/13	9:25	9.96	207.75
		10/02/13	8:32	10.54	207.17
10/16/13	9:07	10.93	206.78		
11/18/13	NR	11.58	206.13		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
ML04-1	217.71	11/26/13	8:49	11.88	205.83
		12/04/13	9:01	11.85	205.86
		12/11/13	9:35	11.85	205.86
		12/18/13	NR	11.86	205.85
		12/23/13	9:26	11.87	205.84
ML04-2	217.71	5/17/2013	9:25	9.18	208.53
		6/24/2013	12:04	7.76	209.95
		6/28/2013	11:14	8.33	209.38
		07/02/13	11:49	8.39	209.32
		07/09/13	9:20	8.45	209.26
		07/10/13	9:04	8.20	209.51
		07/12/13	8:56	8.13	209.58
		07/19/13	8:35	8.90	208.81
		07/23/13	9:36	9.01	208.70
		07/26/13	9:23	9.19	208.52
		07/29/13	10:18	9.26	208.45
		07/31/13	9:00	9.27	208.44
		08/06/13	9:44	9.37	208.34
		08/08/13	9:36	9.43	208.28
		08/15/13	9:21	9.58	208.13
		08/16/13	10:08	9.65	208.06
		08/20/13	9:28	9.72	207.99
		08/27/13	9:20	10.07	207.64
		09/05/13	9:03	10.29	207.42
		09/12/13	8:55	10.38	207.33
		09/13/13	11:52	10.42	207.29
		09/19/13	9:17	10.64	207.07
		09/24/13	9:26	10.30	207.41
		10/02/13	8:33	10.83	206.88
		10/16/13	9:08	10.88	206.83
		11/18/13	NR	12.07	205.64
		11/26/13	8:49	12.20	205.51
		12/04/13	9:04	12.10	205.61
12/11/13	9:35	12.08	205.63		
12/18/13	NR	12.05	205.66		
12/23/13	9:26	11.64	206.07		
ML04-3	217.71	5/16/2013	15:05	9.19	208.52
		6/24/2013	12:05	7.58	210.13
		6/28/2013	11:15	8.03	209.68
		07/02/13	11:49	8.15	209.56
		07/09/13	9:20	8.07	209.64
		07/10/13	9:04	7.82	209.89
		07/12/13	8:57	7.90	209.81
		07/19/13	8:35	8.52	209.19
		07/23/13	9:35	8.67	209.04
		07/26/13	9:25	8.80	208.91
		07/29/13	10:19	8.86	208.85
		07/31/13	9:01	8.93	208.78
		08/06/13	9:44	9.09	208.62
		08/08/13	9:36	9.14	208.57
		08/15/13	9:21	9.31	208.40
		08/16/13	10:09	9.31	208.40
		08/20/13	9:29	9.36	208.35
		08/27/13	9:21	9.53	208.18
		09/05/13	9:04	9.81	207.90
		09/12/13	8:55	10.00	207.71
09/13/13	11:53	10.02	207.69		
09/19/13	9:18	10.24	207.47		
09/24/13	9:27	9.90	207.81		
10/02/13	8:34	10.50	207.21		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
ML04-3	217.71	10/16/13	9:08	10.89	206.82
		11/18/13	NR	11.55	206.16
		11/26/13	8:51	11.74	205.97
		12/04/13	9:05	11.73	205.98
		12/11/13	9:36	11.86	205.85
		12/18/13	NR	11.87	205.84
		12/23/13	9:26	11.60	206.11
ML04-4	217.71	5/16/2013	13:15	9.20	208.51
		6/24/2013	12:06	7.57	210.14
		6/28/2013	11:15	8.04	209.67
		07/02/13	11:49	8.16	209.55
		07/09/13	9:20	8.06	209.65
		07/10/13	9:05	7.82	209.89
		07/12/13	8:57	7.90	209.81
		07/19/13	8:35	8.51	209.20
		07/23/13	9:33	8.67	209.04
		07/26/13	9:25	8.81	208.90
		07/29/13	10:19	8.87	208.84
		07/31/13	9:02	8.94	208.77
		08/06/13	9:45	9.09	208.62
		08/08/13	9:37	9.16	208.55
		08/15/13	9:22	9.30	208.41
		08/16/13	10:09	9.32	208.39
		08/20/13	9:29	9.40	208.31
		08/27/13	9:21	9.53	208.18
		09/05/13	9:05	9.85	207.86
		09/12/13	8:56	10.01	207.70
		09/13/13	11:54	10.06	207.65
		09/19/13	9:19	10.26	207.45
		09/24/13	9:28	9.97	207.74
		10/02/13	8:34	10.52	207.19
10/16/13	9:09	10.90	206.81		
11/18/13	NR	11.58	206.13		
11/26/13	8:51	11.76	205.95		
12/04/13	9:05	11.81	205.90		
12/11/13	9:37	11.87	205.84		
12/18/13	NR	11.89	205.82		
12/23/13	9:27	11.60	206.11		
ML04-5	217.71	5/16/2013	12:15	9.20	208.51
		6/24/2013	12:07	7.57	210.14
		6/28/2013	11:16	8.05	209.66
		07/02/13	11:50	8.16	209.55
		07/09/13	9:21	8.06	209.65
		07/10/13	9:05	7.83	209.88
		07/12/13	8:57	7.89	209.82
		07/19/13	8:35	8.53	209.18
		07/23/13	9:32	8.65	209.06
		07/26/13	9:25	8.80	208.91
		07/29/13	10:20	8.87	208.84
		07/31/13	9:04	8.97	208.74
		08/06/13	9:47	9.13	208.58
		08/08/13	9:37	9.19	208.52
		08/15/13	9:23	9.32	208.39
		08/16/13	10:09	9.34	208.37
		08/20/13	9:30	9.44	208.27
		08/27/13	9:21	9.57	208.14
		09/05/13	9:05	9.87	207.84
		09/12/13	8:57	10.09	207.62
09/13/13	11:55	10.09	207.62		
09/19/13	9:20	10.28	207.43		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation (ft amsl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
ML04-5	217.71	09/24/13	9:28	9.98	207.73
		10/02/13	8:35	10.57	207.14
		10/16/13	9:09	10.92	206.79
		11/18/13	NR	11.58	206.13
		11/26/13	8:52	11.78	205.93
		12/04/13	9:06	11.84	205.87
		12/11/13	9:38	11.87	205.84
		12/18/13	NR	11.90	205.81
ML04-6	217.71	12/23/13	9:27	11.89	205.82
		5/16/2013	11:20	9.18	208.53
		6/24/2013	12:08	7.56	210.15
		6/28/2013	11:16	8.03	209.68
		07/02/13	11:50	8.15	209.56
		07/09/13	9:21	8.06	209.65
		07/10/13	9:05	7.81	209.90
		07/12/13	8:58	7.89	209.82
		07/19/13	8:35	8.48	209.23
		07/23/13	9:31	8.64	209.07
		07/26/13	9:26	8.76	208.95
		07/29/13	10:20	8.86	208.85
		07/31/13	9:05	8.93	208.78
		08/06/13	9:48	9.11	208.60
		08/08/13	9:38	9.18	208.53
		08/15/13	9:24	9.31	208.40
		08/16/13	10:10	9.34	208.37
		08/20/13	9:30	9.43	208.28
		08/27/13	9:22	9.57	208.14
		ML04-6	217.71	09/05/13	9:06
09/12/13	8:57			10.08	207.63
09/13/13	11:56			10.08	207.63
09/19/13	9:21			10.26	207.45
09/24/13	9:25			9.96	207.75
10/02/13	8:35			10.54	207.17
10/16/13	9:10			10.92	206.79
11/18/13	NR			11.57	206.14
11/26/13	8:53			11.79	205.92
12/04/13	9:07			11.82	205.89
ML04-7	217.71	12/11/13	9:38	11.89	205.82
		12/18/13	NR	11.88	205.83
		12/23/13	9:27	11.88	205.83
		5/17/2013	10:45	9.22	208.49
		6/24/2013	12:09	7.70	210.01
		6/28/2013	11:17	8.13	209.58
		07/02/13	11:50	8.25	209.46
		07/09/13	9:21	8.23	209.48
		07/10/13	9:05	7.95	209.76
		07/12/13	8:58	7.89	209.82
		07/19/13	8:35	8.79	208.92
		07/23/13	9:30	8.82	208.89
		07/26/13	9:26	9.14	208.57
		07/29/13	10:20	9.05	208.66
		07/31/13	9:06	9.24	208.47
08/06/13	9:49	9.19	208.52		
08/08/13	9:38	9.32	208.39		
08/15/13	9:25	9.41	208.30		
08/16/13	10:10	9.40	208.31		
08/20/13	9:31	9.46	208.25		
08/27/13	9:22	9.68	208.03		
09/05/13	9:06	9.99	207.72		
09/12/13	8:58	10.20	207.51		

**TABLE 1
DEPTH TO GROUNDWATER
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well ID	Top of Casing Elevation	Date	Time	Depth to Water	Groundwater Elevation
	(ft amsl)	(mm/dd/yyyy)	(hh:mm)	(ft btoc)	(ft amsl)
ML04-7	217.71	09/13/13	11:57	10.17	207.54
		09/19/13	9:22	10.41	207.30
		09/24/13	9:28	10.09	207.62
		10/02/13	8:36	10.71	207.00
		10/16/13	9:11	11.06	206.65
		11/18/13	NR	11.92	205.79
		11/26/13	8:54	12.17	205.54
		12/04/13	9:08	12.06	205.65
		12/11/13	9:39	12.19	205.52
		12/18/13	NR	12.16	205.55
		12/23/13	9:28	12.11	205.60

Notes:

hh:mm - hour:minute

ft amsl - feet above mean sea level

ft btoc - feet below top of casing

mm/dd/yyyy - month/day/year

TABLE 2
FIELD PARAMETER RESULTS
Pompton Lakes Works
Pompton Lakes, New Jersey

Well Identifier	Well Screen Interval (ft bgs)	Date Sampled	Time	Flow Rate (ml/m)	Temperature (°C)	pH	Conductivity (µs)	ORP (mV)	Dissolved Oxygen (mg/L)	Volume Purged (gal)	Water Level (ft btoc)	Comments
128	6.24-26.24	01-May-13	14:02	200	13.2	6.61	0.86	213	6.9	4.0	9.92	Slightly turbid
128-I	61.36-71.36	02-May-13	11:45	150	14.9	9.29	0.93	-108	0.7	5.0	10.20	Slightly tan-brown/clear
128-D	125.2-145.2	02-May-13	15:35	140	16.3	8.85	0.30	-246	0.8	3.5	12.54	Sulfur/degradation odor
EW-01-Upper	21.60 - 45.92	16-May-13	16:09	375	15.3	7.65	0.45	-92	0.8	7.0	9.50	Clear, No Odor
		17-Jul-13	15:00	200	19.6	7.57	0.39	200	0.4	--	--	Clear, No Odor
		02-Aug-13	10:25	200	17.3	7.33	0.42	-2	1.6	3.0	7.33	Clear, No Odor
		15-Aug-13	11:15	250	17.4	7.58	0.44	40	0.5	3.0	9.25	Clear, No Odor
		28-Aug-13	10:30	200	18.6	7.39	0.42	50	0.9	2.5	--	Clear, No Odor
		13-Sep-13	11:05	200	17.1	7.56	0.45	-8	0.8	3.5	--	Clear, No Odor
		25-Sep-13	10:20	200	16.0	8.15	0.42	3	0.5	3.5	--	Clear, No Odor
EW-01-Lower	50.69 - 75.00	17-Jul-13	10:08	375	19.7	8.97	0.92	239	1.6	1.6	--	Clear, No Odor
		01-Aug-13	16:30	200	17.2	9.00	0.77	-118	0.9	2.0	--	
		15-Aug-13	9:50	300	15.9	8.98	0.84	-61	0.4	3.0	--	Clear, No Odor
		28-Aug-13	11:40	300	16.8	8.82	0.82	-173	0.3	5.0	--	Clear, No Odor
		13-Sep-13	9:30	250	15.8	8.84	0.93	-141	1.2	3.0	--	Goldish brown, No Odor
		25-Sep-13	12:05	200	14.5	9.38	0.90	-49	0.4	3.8	--	
		19-Nov-13	12:05	350	13.1	8.99	0.93	-129	0.8	4.2	--	
19-Dec-13	9:50	475	14.4	8.89	0.98	-19	0.3	9.4	--	Gold-tan, No Odor		
IW-01-Upper	19.90-44.90	14-May-13	12:30	275	15.4	7.94	0.45	73	0.7	7.0	9.64	Clear, No Odor
IW-01-Lower	49.70-74.20	14-May-13	16:31	360	15.1	8.57	0.81	8	0.7	--	9.73	Clear, No Odor
IW-02-Upper	21.60-45.92	04-Jun-13	12:33	360	16.7	7.60	0.35	-81	1.5	5.7	8.38	Clear, No Odor
IW-02-Lower	50.69-75.00	15-May-13	15:00	200	16.0	8.87	0.91	-118	0.9	2.5	9.22	Slightly turbid/gray
IW-03-Upper	21.10-45.42	15-May-13	12:20	350	15.1	7.29	0.53	117	1.2	6.0	9.62	Clear, No Odor
IW-03-Lower	50.19-75.50	16-May-13	12:22	370	16.3	9.03	0.98	-55	0.8	12.5	9.62	Slight tan/yellow
ML02-1	14.42-14.92	14-May-13	10:00	200	15.0	6.85	0.31	109	1.5	2.5	9.70	Clear, No Odor
		31-Jul-13	12:10	240	17.8	8.93	0.42	-133	1.0	4.0	--	Clear, No Odor
		27-Aug-13	10:10	190	18.1	6.94	0.39	-151	0.7	2.1	--	Clear, very slight sulfur odor
		18-Nov-13	11:25	250	16.6	6.79	0.78	-163	2.1	2.5	--	Clear, No Odor
		18-Dec-13	9:35	150	11.5	8.39	0.89	-191	1.4	1.7	--	Clear, No Odor
ML02-6	24.39-24.89	14-May-13	11:28	200	15.7	7.77	0.40	-5	0.8	4.0	9.69	Light brown/turbid
		31-Jul-13	13:35	180	17.3	9.63	0.38	-97	0.7	3.0	--	Very clear, no odor.
		27-Aug-13	11:10	175	17.1	7.71	0.39	-82	0.5	2.2	--	Clear, no odor.
		24-Sep-13	10:35	200	15.5	9.00	0.38	-31	0.6	2.5	--	Clear, no odor.
		18-Nov-13	12:05	250	15.5	7.55	0.49	-96	1.8	1.9	--	Clear, no odor.
		18-Dec-13	10:35	190	11.9	7.80	0.76	-36	1.4	3.2	--	Clear, no odor.
ML02-5	34.36-34.86	14-May-13	12:45	200	16.3	8.35	0.37	-106	0.7	2.5	9.71	Slightly brown, Slightly turbid
		17-Jul-13	11:00	200	17.3	8.28	0.35	-107	0.3	3.0	8.23	Slightly turbid, gray
		31-Jul-13	15:25	180	18.2	10.02	0.36	-170	0.6	2.4	--	Clear, No Odor
		14-Aug-13	10:25	190	17.1	8.10	0.36	-72	0.7	3.0	--	Clear, very slight sulfur degradation odor
		27-Aug-13	12:25	200	17.3	8.04	0.37	-166	0.5	2.4	--	Clear, No Odor
		12-Sep-13	9:35	160	20.7	7.35	0.71	-160	1.1	1.4	--	Clear, No Odor
		24-Sep-13	11:15	200	15.3	7.98	1.10	-143	0.6	2.5	--	Slight pale yellow, no odor
		18-Nov-13	11:15	250	15.8	7.42	0.55	-133	1.8	2.0	--	Pale amber, no odor
		18-Dec-13	11:35	195	11.6	7.69	1.08	-160	0.8	2.2	--	Clear, No Odor

TABLE 2
FIELD PARAMETER RESULTS
Pompton Lakes Works
Pompton Lakes, New Jersey

Well Identifier	Well Screen Interval (ft bgs)	Date Sampled	Time	Flow Rate (ml/m)	Temperature (°C)	pH	Conductivity (µs)	ORP (mV)	Dissolved Oxygen (mg/L)	Volume Purged (gal)	Water Level (ft btoc)	Comments
ML02-4	44.39-44.89	14-May-13	15:00	200	16.5	8.80	0.47	-97	1.0	--	9.69	Clear, No Odor
		17-Jul-13	11:40	200	18.0	8.57	0.95	-46	0.4	2.5	8.18	Slightly turbid, Gray
		01-Aug-13	10:45	180	18.2	7.83	1.04	-310	0.9	3.0	--	Slightly yellow, sulfur degradation odor
		14-Aug-13	11:35	180	17.0	7.94	0.91	-173	0.6	3.0	--	Clear, very slight yellow brown, sulfur degradation odor
		27-Aug-13	13:55	180	17.1	7.80	0.82	-230	0.4	2.7	--	Clear, very slight yellow brown, sulfur degradation odor
		12-Sep-13	10:40	145	20.3	7.47	0.99	-203	1.1	1.8	--	Clear, No Odor
		24-Sep-13	12:00	200	15.1	7.78	0.99	-205	0.4	2.0	--	Slight pale yellow, no odor
		18-Nov-13	13:40	250	15.5	7.50	1.02	-160	1.3	2.0	--	Pale amber, no odor
		18-Dec-13	12:45	175	12.2	7.95	0.96	-182	1.5	3.1	--	Clear, No Odor
ML02-3	54.38-54.88	14-May-13	16:00	200	15.9	9.55	0.77	-119	0.9	--	9.69	Clear, No Odor
		17-Jul-13	12:30	300	17.4	9.17	1.14	-271	0.1	2.5	8.03	Clear, No Odor
		01-Aug-13	12:05	190	17.3	8.97	1.12	-320	0.7	3.0	--	Clear, slight yellow, sulfur degradation odor
		14-Aug-13	13:00	160	17.4	8.94	0.97	-217	0.5	2.5	--	Clear, very slight yellow, sulfur degradation odor
		28-Aug-13	10:10	200	19.3	8.66	0.88	-210	0.4	2.5	--	Slight pale yellow, no odor
		12-Sep-13	12:00	170	21.0	8.00	1.15	-194	1.0	1.7	--	Clear, No Odor
		24-Sep-13	12:45	200	16.2	9.46	0.98	-179	0.3	2.5	--	Pale amber color, organic odor
		18-Nov-13	14:40	250	15.3	8.44	1.07	-166	1.1	2.0	--	Pale amber color, no odor
		18-Dec-13	13:40	200	11.8	8.56	1.10	-177	1.5	2.4	--	Clear, No Odor
ML02-2	64.40-64.90	15-May-13	11:10	200	15.1	8.50	0.80	16	1.3	2.5	9.69	Slightly turbid, gray
		17-Jul-13	13:25	300	17.3	9.10	0.93	-144	0.2	2.5	8.25	Clear, No Odor
		01-Aug-13	15:05	170	17.4	8.69	0.93	-219	1.1	3.5	--	Slight yellow, sulfur degradation odor
		14-Aug-13	14:55	185	18.1	8.84	0.86	-293	0.3	4.0	--	Clear, sulfur degradation odor
		28-Aug-13	11:15	200	18.6	8.52	0.78	-240	0.7	3.0	--	Slight pale yellow, No odor
		12-Sep-13	14:50	180	19.2	8.26	0.91	-204	1.0	2.9	--	Clear, No Odor
		24-Sep-13	13:35	200	16.1	9.82	0.98	-215	0.5	2.5	--	Slight amber color, slight organic odor
		19-Nov-13	10:00	250	14.2	8.25	1.04	-219	1.6	3.5	--	Pale amber color, no odor
		18-Dec-13	15:00	200	11.7	8.72	1.00	-186	1.1	4.3	--	Clear, No Odor
ML02-7	74.45-74.95	15-May-13	13:20	200	16.8	8.83	1.82	-108	0.9	2.5	9.71	Slightly turbid/gray
		17-Jul-13	14:15	300	16.6	8.97	1.80	-135	0.1	2.5	8.38	Clear, No Odor
		02-Aug-13	10:05	190	18.2	8.38	1.80	-143	0.9	3.5	--	Medium brown to gold, No Odor
		14-Aug-13	16:10	195	18.0	8.89	1.79	-169	0.3	3.5	--	Yellow-gold, sulfur degradation odor
		28-Aug-13	12:10	200	19.3	8.77	1.92	-139	0.4	3.0	--	Amber colored, mineral odor
		12-Sep-13	16:00	155	19.0	8.75	1.84	-132	0.7	2.4	--	Brown, no odor
		14-Sep-13	14:30	200	16.6	10.07	1.92	-138	0.3	2.5	--	Amber, organic odor
		19-Nov-13	10:55	250	13.6	8.82	1.99	-165	1.3	3.0	--	Amber, no odor
		19-Dec-13	11:20	180	11.8	8.70	2.12	-66	0.5	3.5	--	Dark gold-brown, slight to moderate sulfur degradation odor
ML04-1	14.62-15.12	16-May-13	11:00	200	15.6	6.77	0.35	112	1.0	2.5	9.19	Slightly turbid, Gray/brown
		31-Jul-13	11:40	250	18.3	6.71	0.35	134	1.0	6.0	--	Clear, no odor
		27-Aug-13	10:10	200	18.8	6.65	0.39	7	0.5	2.0	--	Clear, no odor
		24-Sep-13	10:50	170	16.9	6.78	0.41	48	0.8	3.0	--	Clear, no odor
		18-Nov-13	12:35	200	15.6	6.79	0.46	46	0.4	2.6	--	Clear, no odor
		18-Dec-13	9:42	240	12.6	6.34	10.40	160	4.5	3.6	--	Clear, no odor

**TABLE 2
FIELD PARAMETER RESULTS
Pompton Lakes Works
Pompton Lakes, New Jersey**

Well Identifier	Well Screen Interval (ft bgs)	Date Sampled	Time	Flow Rate (ml/m)	Temperature (°C)	pH	Conductivity (µs)	ORP (mV)	Dissolved Oxygen (mg/L)	Volume Purged (gal)	Water Level (ft btoc)	Comments
ML04-6	24.69-25.19	16-May-13	12:00	200	16.7	7.49	0.38	-105	0.7	2.5	9.18	Clear, No Odor
		31-Jul-13	13:25	170	18.3	8.29	0.38	-137	0.9	3.0	--	Clear, No Odor
		27-Aug-13	11:10	200	18.3	8.23	0.39	-127	0.4	3.0	--	Clear, No Odor
		24-Sep-13	12:05	195	15.8	8.33	0.42	-113	0.7	3.0	--	Clear, No Odor
		18-Nov-13	11:45	200	14.7	8.34	0.44	-107	0.7	4.1	--	Clear, No Odor
		18-Dec-13	11:35	200	12.5	8.01	0.48	-25	0.5	5.1	--	Clear, No Odor
ML04-5	34.59-35.09	16-May-13	12:55	200	18.3	8.21	0.41	-118	0.5	2.5	9.20	Clear, No Odor
		31-Jul-13	15:15	170	20.7	8.22	0.42	-156	0.7	2.0	--	Clear, No Odor
		27-Aug-13	12:05	200	18.7	8.01	0.49	-156	0.3	3.0	--	Clear, No Odor
		24-Sep-13	13:45	210	17.0	8.06	0.56	-148	0.5	3.3	--	Clear, No Odor
		18-Nov-13	13:50	200	15.3	7.66	0.98	-123	0.4	2.0	--	Clear, very very slight tan color, no odor
		18-Dec-13	12:35	195	11.9	7.65	0.53	-74	0.5	2.5	--	Slight brown, no odor
ML04-4	44.32-44.82	11-May-13	14:45	160	18.9	8.80	0.47	-165	0.4	3.5	9.20	Silty, gray-black, no odor
		01-Aug-13	10:25	150	16.4	8.26	0.86	-103	1.2	3.0	--	Clear, no odor
		27-Aug-13	12:55	200	18.3	8.22	1.06	-126	0.4	3.0	--	Slight pale yellow, no odor
		24-Sep-13	14:50	165	17.6	8.34	1.00	-113	0.6	2.4	--	Slight gold-brown, no odor
		18-Nov-13	14:55	195	14.6	7.97	1.18	-159	0.4	3.5	--	Clear, no odor
		18-Dec-13	13:40	185	12.3	7.85	1.08	-133	0.6	4.0	--	Clear, very slight tan-gold, slight sulfur odor
ML04-3	54.62-55.12	16-May-13	16:05	200	19.8	9.13	0.80	-130	0.6	2.5	9.19	Gray/turbid
		01-Aug-13	11:50	150	15.7	8.89	0.92	-148	1.0	3.0	--	Slight pale yellow, no odor
		27-Aug-13	13:55	200	19.1	8.97	1.15	-140	0.4	2.5	--	Slight pale yellow, no odor
		24-Sep-13	15:45	200	17.0	8.98	1.03	-152	0.4	2.4	--	
		19-Nov-13	10:15	205	13.0	8.57	1.49	-45	0.5	3.6	--	Very slight tan brown, no odor
		19-Dec-13	16:00	200	12.1	8.49	1.27	-116	0.6	3.6	--	Very slight gold-tan, no odor
ML04-2	64.66-65.16	17-May-13	10:25	200	15.3	8.47	1.06	-138	0.6	2.5	9.18	Gray/turbid
		01-Aug-13	14:20	150	16.7	8.59	1.00	-70	0.9	6.0	--	Slight pale yellow, no odor
		27-Aug-13	14:40	200	18.4	8.91	0.90	-87	0.8	3.0	--	Slight pale yellow, no odor
		25-Sep-13	9:30	200	15.2	8.90	1.04	-172	1.6	3.0	--	Clear, No Odor
		19-Nov-13	11:30	200	12.8	8.90	1.13	-76	0.5	3.5	--	Slight tan-gold, sulfur odor
		19-Dec-13	9:25	150	12.2	7.99	1.15	-163	1.2	2.8	--	Clear, No Odor
ML04-7	74.75-75.25	17-May-13	11:50	200	15.6	8.91	1.60	-157	0.3	2.5	9.22	Turbid, brown
		01-Aug-13	15:35	150	15.9	8.77	1.58	-198	0.9	3.0	--	Clear, slight sulfur degradation odor
		27-Aug-13	15:30	200	19.1	9.11	1.50	-161	0.3	2.5	--	Slight pale brown, mineral odor
		25-Sep-13	10:35	200	15.7	9.18	1.57	-150	2.3	2.6	--	Slight pale brown, mineral odor
		19-Nov-13	13:35	200	13.3	9.23	1.63	-72	0.5	3.1	--	
		19-Dec-13	11:00	150	13.1	8.50	1.67	-150	0.5	3.8	--	Gold-brown, No Odor.

Notes:

-- not available

°C - degrees Celsius

ft btoc - feet below top of casing

GMW - groundwater monitoring well

µmhos/cm - micromhos per centimeter

mg/L - milligrams per liter

mL - milliliters

ml/m - milliliter per minute

mV - millivolts

NTU - Nephelometric Turbidity Units

ORP - oxidation reduction potential

TDS - total dissolved solids

**TABLE 3
SELECT TARGET COMPOUND RESULTS - EISB PILOT STUDY
Pompton Lakes Works
Pompton Lakes, New Jersey**

Location	Screen Interval (ft bgs)	Sample Event	Sampling Date	VOCs										DHGs			Other						
				1,1,1 TCA	1,1-DCA	1,1-DCE	1,2-DCA	CT	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC	Ethane	Ethene	Methane	Bromide	Chloride	Sulfate	Sulfide	TOC		
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
128	6.24-26.24	Baseline - May/June 2013	1-May-13	--	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0	<3.0	<2.0	202	17.9	--	--	
		Baseline - May/June 2013	21-May-13	<0.1	<0.1	<0.1	<0.1	<0.1	2.6	4.4	2.6	1.3	<0.1	--	--	--	--	--	--	--	--	--	--
		Monthly - Nov 2013	19-Nov-13	<0.1	<0.1	<0.1	1.1	<0.1	1.1	6.1	7.6	4	<0.1	--	--	--	--	--	--	--	--	--	--
128-I	61.36-71.36	Baseline - May/June 2013	2-May-13	--	--	--	--	--	--	--	--	--	--	5.4	3.7 J	1100	<2.0	84.8	36.2	--	--		
		Baseline - May/June 2013	21-May-13	<1.0	5.4	5.9	2.5 J	<1.0	<1.0	1.7 J	890	200	79	--	--	--	--	--	--	--	--	--	
		Monthly - Nov 2013	19-Nov-13	<1.0	3.9 J	5	2.3 J	<1.0	<1.0	1.4 J	750	200	110	--	--	--	--	--	--	--	--	--	
128-D	125.2-145.2	Baseline - May/June 2013	2-May-13	--	--	--	--	--	--	--	--	--	--	<1.0	1.1 J	190	<2.0	11.8	12.6	--	--		
		Baseline - May/June 2013	21-May-13	<0.1	<0.1	<0.1	4.7	<0.1	<0.1	0.4 J	6.6	7	2.8	--	--	--	--	--	--	--	--	--	
		Monthly - Nov 2013	19-Nov-13	<0.1	<0.1	<0.1	6.2	<0.1	<0.1	0.5	6.4	6.9	2.6	--	--	--	--	--	--	--	--	--	
EW01-UPPER	21.60 - 45.92	Baseline - May/June 2013	16-May-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 J	
		Baseline - May/June 2013	17-May-13	0.2 J	0.2 J	0.3 J	<0.1	<0.1	16	20	29	17	4.3	<1.0	<1.0	26	<0.15	47.9	34.3	<0.054	<0.50	<0.50	
		Biweekly - Mid July 2013	17-Jul-13	<0.1	<0.1	0.2 J	<0.1	<0.1	21	22	17	9.8	0.6	<1.0	<1.0	<3.0	--	--	--	--	--	--	
		Monthly - July/Aug 2013	2-Aug-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	21	21	20	13	0.8	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50	
		Biweekly - Mid Aug 2013	15-Aug-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	21	20	20	12	0.8	<1.0	<1.0	<3.0	--	--	--	--	--	--	
		Monthly - Aug 2013	28-Aug-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	21	20	19	12	0.7	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50	
		Biweekly - Mid Sept 2013	13-Sep-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	22	22	20	13	0.7	<1.0	<1.0	<3.0	--	--	--	--	--	--	
		Monthly - Sept 2013	25-Sep-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	21	22	20	13	0.7	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50	
EW01-LOWER	50.69 - 75.00	Baseline - May/June 2013	14-Jun-13	<0.5	2.5	4.6	<0.5	<0.5	0.9 J	43	630	260 J	97	2.3 J	3.7 J	910	<2.0	54.1	43.9	<0.054	17.4		
		Biweekly - Mid July 2013	17-Jul-13	<1.0	3.1 J	3.9 J	<1.0	<1.0	22	49	530	200	120	4.8 J	4.9 J	900	--	--	--	--	--		
		Monthly - July/Aug 2013	1-Aug-13	<0.5	3.1	3.7	<0.5	<0.5	21	51	550	200	120	6.2	6.5	1000	--	--	--	--	5.4		
		Biweekly - Mid Aug 2013	15-Aug-13	<1.0	3.2 J	3.6 J	<1.0	<1.0	25	52	520	200	120	6	6.5	860	--	--	--	--	--		
		Monthly - Aug 2013	28-Aug-13	<0.5	3.5	4.1	<0.5	<0.5	16	49	600	220	130	7.4	8.7	910	--	--	--	--	7.1		
		Biweekly - Mid Sept 2013	13-Sep-13	<0.5	4	5.3	<0.5	<0.5	8.9	51	750	300	160	8.5	10	1300	--	--	--	--	--		
		Monthly - Sept 2013	25-Sep-13	<0.5	3.6	5	<0.5	<0.5	5	48	720	290	150	7	8.1	1100	--	--	--	--	7.7		
		Monthly - Nov 2013	19-Nov-13	<1.0	2.5 J	3.8 J	<1.0	<1.0	6.2	39	580	200	110	6.1	7.7	1000	--	50.4	31.3	<0.054	8.3		
IW01-UPPER	19.90-44.90	Baseline - May/June 2013	14-May-13	0.1 J	<0.1	0.2 J	<0.1	<0.1	21	25	24	16	0.9	<1.0	<1.0	<3.0	<2.0	60.1	25.8	<0.054 R	2		
IW01-LOWER	49.70-74.20	Baseline - May/June 2013	14-May-13	<0.5	2.2 J	3.7	<0.5	<0.5	0.6 J	22	440	150	79	3.6 J	3.4 J	880	<2.0	--	--	--	5.7		
IW02-UPPER	21.60-45.92	Baseline - May/June 2013	4-Jun-13	0.2 J	<0.1	0.1 J	<0.1	<0.1	19	19	14	7.2	0.4 J	<1.0	<1.0	<3.0	<2.0	26.5	37.1	--	1		
IW02-LOWER	50.69-75.00	Baseline - May/June 2013	15-May-13	<1.0	2.0 J	3.5 J	<1.0	<1.0	<1.0	23	440	150	70	2.6 J	2.4 J	650	<2.0	50.4	41	--	--		
IW03-UPPER	21.10-45.42	Baseline - May/June 2013	15-May-13	0.4 J	0.2 J	0.2 J	<0.1	<0.1	19	17	22	10	2.2	<1.0	<1.0	22	<2.0	77.2	24.4	--	<0.50		
IW03-LOWER	50.19-75.50	Baseline - May/June 2013	17-May-13	<1.0	1.3 J	2.8 J	<1.0	<1.0	<1.0	28	380	140	56	1.7 J	3.0 J	840	<0.075	48.3	42.5	--	7.2		
ML02-1	14.42-14.92	Baseline - May/June 2013	14-May-13	0.4 J	0.2 J	0.1 J	<0.1	<0.1	23	14	41	9.9	5.4	<1.0	<1.0	10 J	<2.0	35	23.2	<0.054 R	--		
		Monthly - July/Aug 2013	31-Jul-13	0.3 J	0.3 J	0.4 J	<0.1	<0.1	23	15	35	17	8.1	--	--	--	--	--	--	--	2.7		
		Monthly - Aug 2013	27-Aug-13	0.3 J	<0.1	0.2 J	<0.1	<0.1	20	15	15	6.9	1.2	--	--	--	--	--	--	--	--	<0.50	
ML02-6	24.39-24.89	Baseline - May/June 2013	14-May-13	<0.1	<0.1	0.3 J	<0.1	<0.1	19	22	22	16	1.2	<1.0	<1.0	3.3 J	<2.0	34.6	39.8	<0.054 R	--		
		Monthly - July/Aug 2013	31-Jul-13	<0.1	<0.1	0.3 J	<0.1	<0.1	23	22	22	15	0.9	--	--	--	--	--	--	--	0.51 J		
		Monthly - Aug 2013	27-Aug-13	<0.1	<0.1	0.3 J	<0.1	<0.1	24	22	22	15	0.9	--	--	--	--	--	--	--	0.53 J		
		Monthly - Sept 2013	24-Sep-13	<0.1	<0.1	0.3 J	<0.1	<0.1	24	23	23	16	0.8 J	--	--	--	--	--	--	--	0.91 J		
ML02-5	34.36-34.86	Baseline - May/June 2013	14-May-13	0.2 J	0.2 J	0.5	<0.1	<0.1	24	40	45	25	1.8	<1.0	<1.0	5.8	<2.0	13	28.6	0.16 J	--		
		Biweekly - Mid July 2013	17-Jul-13	0.2 J	0.2 J	0.5	<0.1	<0.1	12	30	53	24	5.4	--	--	--	--	--	--	--	--		
		Monthly - July/Aug 2013	31-Jul-13	0.2 J	0.2 J	0.5	<0.1	<0.1	34	44	43	19	1.7	--	--	--	--	--	--	--	1.5		
		Biweekly - Mid Aug 2013	14-Aug-13	0.3 J	0.2 J	0.6	<0.1	<0.1	36	43	43	25	1.5	--	--	--	--	--	--	--	--		
		Monthly - Aug 2013	27-Aug-13	0.4 J	0.2 J	0.6	<0.1	<0.1	41	49	48	19	2.1	--	--	--	--	--	--	--	0.70 J		
		Biweekly - Mid Sept 2013	12-Sep-13	0.1 J	1.9	2.4	<0.1	<0.1	26	56	240	76	52	--	--	--	--	--	--	--	--	--	
		Monthly - Sept 2013	24-Sep-13	<0.1	3.6	4.4	<0.1	<0.1	18	45	500	140	120 J	--	--	--	--	--	--	--	--	63.8	
Monthly - Nov 2013	18-Nov-13	<0.1	1	1.9	<0.1	<0.1	5.7	18	240	95	30	--	--	--	--	--	--	--	--	11.9			

**TABLE 3
SELECT TARGET COMPOUND RESULTS - EISB PILOT STUDY
Pompton Lakes Works
Pompton Lakes, New Jersey**

Location	Screen Interval (ft bgs)	Sample Event	Sampling Date	VOCs										DHGs			Other				
				1,1,1 TCA	1,1-DCA	1,1-DCE	1,2-DCA	CT	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC	Ethane	Ethene	Methane	Bromide	Chloride	Sulfate	Sulfide	TOC
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
ML02-4	44.39-44.89	Baseline - May/June 2013	14-May-13	0.5	0.4 J	1.4	<0.1	<0.1	46	85	89	36	6	<1.0	<1.0	22	<2.0	20.6	43.8	0.14 J	--
		Biweekly - Mid July 2013	17-Jul-13	<1.0	2.9 J	3.2 J	<1.0	<1.0	6.1 J	44 J	510 J	81 J	61 J	4.6 J	5	840	--	--	--	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.5	3	3.7	<0.5	<0.5	24	53	530	200	120	5.5	6.5	720	--	--	--	--	24.6
		Biweekly - Mid Aug 2013	14-Aug-13	0.2 J	3.5	4.6	<0.1	<0.1	23	50	510	180	110	5.3	6.4	680	--	--	--	--	--
		Monthly - Aug 2013	27-Aug-13	<1.0	3.2 J	3.9 J	<1.0	<1.0	21	50	500	190	120	6.2	8.1	770	--	--	--	--	12.5
		Biweekly - Mid Sept 2013	12-Sep-13	<1.0	3.6 J	4.3 J	<1.0	<1.0	9.8	30	670	220	130	6.4	9.3	920	--	--	--	--	--
		Monthly - Sept 2013	24-Sep-13	<0.1	4.2	5.6	<0.1	<0.1	4.9	13	710	240	140 J	7.6	12	1100	--	--	--	--	34.3
		Monthly - Nov 2013	18-Nov-13	<1.0	3.5 J	3.1 J	<1.0	<1.0	2.0 J	6.5	600	240	190	8	77	1200	--	61.7	6	0.12 J	7.9
ML02-3	54.38-54.88	Baseline - May/June 2013	14-May-13	<0.1	2.7	2.4	<0.1	<0.1	7.7	52	280	81	46	2.5 J	<1.0	140	<2.0	48.3	39.6	0.59 J	--
		Biweekly - Mid July 2013	17-Jul-13	<0.5	2.7	2.8	<0.5	<0.5	6.3	33	470	160	99	3.0 J	3.6 J	460	--	--	--	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.5	3	3.6	<0.5	<0.5	17	49	520	190	120	5.9	6.7	800	--	--	--	--	47.1
		Biweekly - Mid Aug 2013	14-Aug-13	0.1 J	3.6	4.6	<0.1	<0.1	25	48	510	180	110	4.8 J	6.1	630	--	--	--	--	--
		Monthly - Aug 2013	28-Aug-13	<0.5	3.3	3.8	<0.5	<0.5	16	46	580	210	120	6.2	8.3	740	--	--	--	--	14.4
		Biweekly - Mid Sept 2013	12-Sep-13	<0.5	3.5	4.4	<0.5	<0.5	5.4	23	660	240	130	6.5	9.1	840	--	--	--	--	--
		Monthly - Sept 2013	24-Sep-13	<0.5	3.8	4.6	<0.5	<0.5	2.1 J	11	770	280	140 J	6.9	9.2	860	--	--	--	--	44.6
		Monthly - Nov 2013	18-Nov-13	<0.5	3.4	4.5	<0.5	<0.5	<0.5	1.6 J	670	200	140	6.6	10	920	--	--	--	--	38.3
ML02-2	64.40-64.90	Baseline - May/June 2013	15-May-13	<1.0	4.3 J	5.3	<1.0	<1.0	1.4 J	10	830	310	140	6.4	4.7 J	730	<2.0	59.2	33.2	<0.054	--
		Biweekly - Mid July 2013	17-Jul-13	<0.5	1.0 J	1.2 J	<0.5	<0.5	7.3	16	190	65	33	1.1 J	1.1 J	120	--	--	--	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.2	2.2	2.9	<0.2	<0.2	14	36	370	140	80	4.0 J	4.5 J	420	--	--	--	--	48.7
		Biweekly - Mid Aug 2013	14-Aug-13	0.2 J	2.9	3.8	<0.1	<0.1	18	36	410	150	82	4.1 J	4.6 J	460	--	--	--	--	--
		Monthly - Aug 2013	28-Aug-13	<0.2	2.3	2.7	<0.2	<0.2	14	38	370	130	75	4.3 J	5.2	520	--	--	--	--	11.9
		Biweekly - Mid Sept 2013	12-Sep-13	<0.2	2.6	3.5	<0.2	<0.2	9.7	32	460	170	87	4.7 J	5.9	690	--	--	--	--	--
		Monthly - Sept 2013	24-Sep-13	<1.0	3.3 J	3.9 J	<1.0	<1.0	5.4	24	660	220	110 J	6.3	8.2	790	--	--	--	--	41.9
		Monthly - Nov 2013	19-Nov-13	<0.5	3	4.2	<0.5	<0.5	3.3	18	610	220	120	6	8.4	840	--	54.7	9.5	0.67	33.4
ML02-7	74.45-74.95	Baseline - May/June 2013	15-May-13	<0.5	1.3 J	1.0 J	<0.5	<0.5	1.9 J	14	190	57	55	4.7 J	13	1900	<2.0	62.4	29.2	<0.054	--
		Biweekly - Mid July 2013	17-Jul-13	<0.2	1.4	1	<0.2	<0.2	1.1	8.8	150	45	70	2.5 J	6.5	960	--	--	--	--	--
		Monthly - July/Aug 2013	2-Aug-13	<0.5	1.1 J	<0.5	<0.5	<0.5	<0.5	<0.5	72	3.1	120	4.8 J	18	2500	--	--	--	--	26
		Biweekly - Mid Aug 2013	14-Aug-13	<0.1	1.3	0.5	<0.1	<0.1	<0.1	0.2 J	68	3.7	110	4.4 J	17	2600	--	--	--	--	--
		Monthly - Aug 2013	28-Aug-13	<0.2	1	0.4 J	<0.2	<0.2	<0.2	0.2 J	55	2.9	100	3.7 J	17	2300	--	--	--	--	27.5
		Biweekly - Mid Sept 2013	12-Sep-13	<0.2	1.1	0.4 J	<0.2	<0.2	<0.2	0.4 J	68	5	100	4.9 J	22	2900	--	--	--	--	--
		Monthly - Sept 2013	24-Sep-13	<0.1	1.2	0.5	<0.1	<0.1	<0.1	0.3 J	64	4.3	100 J	3.6 J	15	4300	--	--	--	--	29.6
		Monthly - Nov 2013	19-Nov-13	<0.5	1 J	<0.5	<0.5	<0.5	<0.5	<0.5	57	2.5	110	4.3 J	18	2500	--	--	--	--	31.1
ML04-1	14.62-15.12	Baseline - May/June 2013	16-May-13	0.3 J	<0.1	<0.1	<0.1	<0.1	20	14	12	2.3	<0.1	<1.0	<1.0	<3.0	<2.0	40.7	23.3	--	--
		Monthly - July/Aug 2013	31-Jul-13	0.3 J	0.3 J	0.4 J	<0.1	<0.1	21	20	43	19	8.9	--	--	--	--	--	--	--	<0.50
		Monthly - Aug 2013	27-Aug-13	0.2 J	0.7	0.8	<0.1	<0.1	19	24	90	29	18	--	--	--	--	--	--	--	<0.50
		Monthly - Sept 2013	24-Sep-13	0.3 J	0.1 J	0.2 J	<0.1	<0.1	22	17	21	8.4	1.0 J	--	--	--	--	--	--	--	<0.50
		Monthly - Nov 2013	18-Nov-13	0.2 J	0.6	0.5	<0.1	<0.1	20	18	59	21	9.8	--	--	--	--	--	--	--	0.89 J
ML04-6	24.69-25.19	Baseline - May/June 2013	16-May-13	<0.1	0.1 J	0.3 J	<0.1	<0.1	22	26	30	16	1	<1.0	<1.0	<3.0	<2.0	19.7	42.3	--	--
		Monthly - July/Aug 2013	31-Jul-13	<0.1	0.1 J	0.4 J	<0.1	<0.1	24	23	31	18	1.3	--	--	--	--	--	--	--	1.5
		Monthly - Aug 2013	27-Aug-13	<0.1	0.1 J	0.4 J	<0.1	<0.1	24	25	30	20	1.2	--	--	--	--	--	--	--	1.5
		Monthly - Sept 2013	24-Sep-13	<0.1	0.1 J	0.5	<0.1	<0.1	24	25	35	20	1.1 J	--	--	--	--	--	--	--	1.5
		Monthly - Nov 2013	18-Nov-13	<0.1	0.1 J	0.4 J	<0.1	<0.1	23	25	31	21	1.8	--	--	--	--	--	--	--	2
ML04-5	34.59-35.09	Baseline - May/June 2013	16-May-13	<0.2	<0.2	0.5 J	<0.2	<0.2	7.8	32	44	23	1.3	<1.0	<1.0	3.4 J	<2.0	30.5	25.9	--	--
		Monthly - July/Aug 2013	31-Jul-13	<0.1	0.4 J	0.7	<0.1	<0.1	17	32	61	22	12	--	--	--	--	--	--	--	2.3
		Monthly - Aug 2013	27-Aug-13	<0.1	0.6	1.1	<0.1	<0.1	21	38	110	36	21	--	--	--	--	--	--	--	2.5
		Monthly - Sept 2013	24-Sep-13	<0.2	0.9 J	1.3	<0.2	<0.2	23	47	150	55	28 J	--	--	--	--	--	--	--	2.2
		Monthly - Nov 2013	18-Nov-13	<0.1	3.7	5.4	<0.1	<0.1	6.2	25	610	170	120	--	--	--	--	--	--	--	6.2

**TABLE 3
SELECT TARGET COMPOUND RESULTS - EISB PILOT STUDY
Pompton Lakes Works
Pompton Lakes, New Jersey**

Location	Screen Interval (ft bgs)	Sample Event	Sampling Date	VOCs									DHGs			Other					
				1,1,1 TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	1,2-DCA µg/L	CT µg/L	PCE µg/L	TCE µg/L	cis-1,2-DCE µg/L	trans-1,2-DCE µg/L	VC µg/L	Ethane µg/L	Ethene µg/L	Methane µg/L	Bromide mg/L	Chloride mg/L	Sulfate mg/L	Sulfide mg/L	TOC mg/L
ML04-4	44.32-44.82	Baseline - May/June 2013	16-May-13	0.4 J	0.4 J	1.1 J	<0.3	<0.3	39	70	75	38	4.2	<1.0	<1.0	7.4	<2.0	28.9	37.5	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.5	2.4 J	2.7	<0.5	<0.5	36	91	350	85	95	4.6 J	5.1	680	--	--	--	--	3.8
		Monthly - Aug 2013	27-Aug-13	<0.5	2.9	3.3	<0.5	<0.5	29	73	450	150	110	5.5	7.8	740	--	--	--	--	4.1
		Monthly - Sept 2013	24-Sep-13	<0.2	3.4	4.1	<0.2	<0.2	27	61	500	170	110 J	6.7	8.8	870	--	--	--	--	4.4
		Monthly - Nov 2013	18-Nov-13	<0.5	3.3	4.3	<0.5	<0.5	9.5	32	640	180	130	7.7	11	1000	--	55.8	2.2 J	<0.054	6.3
ML04-3	54.62-55.12	Baseline - May/June 2013	16-May-13	<0.1	0.3 J	0.6	<0.1	<0.1	1.7	17	64	23	7.7	<1.0	<1.0	110	<2.0	45.3	44.7	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.5	2.5	3.2	<0.5	<0.5	3.4	72	400	140	88	3.9 J	3.8 J	460	--	--	--	--	4.6
		Monthly - Aug 2013	27-Aug-13	<0.5	2.5	3.1	<0.5	<0.5	6.8	60	410	140	88	4.6 J	5.9	540	--	--	--	--	6.5
		Monthly - Sept 2013	24-Sep-13	<0.1	3.5	4.6	<0.1	<0.1	13	43	480	170	95 J	6.7	8.8	790	--	--	--	--	7
		Monthly - Nov 2013	19-Nov-13	<0.5	3	3.7	<0.5	<0.5	1.1 J	13	660	200	130	6.4	9.2	900	--	--	--	--	54.8
ML04-2	64.66-65.16	Baseline - May/June 2013	17-May-13	<0.2	1.5	1.9	<0.2	<0.2	3.8	24	200	62	45	20	31	4100	<2.0	118	31.9	--	--
		Monthly - July/Aug 2013	1-Aug-13	<1.0	7	7.7	<1.0	<1.0	33	1300	430	280	11	16	1700	--	--	--	--	7.9	
		Monthly - Aug 2013	27-Aug-13	<1.0	4.7 J	6.4	<1.0	<1.0	33	1100	380	170	8	10	880	--	--	--	--	12.8	
		Monthly - Sept 2013	25-Sep-13	<1.0	3.3 J	4.9 J	<1.0	<1.0	23	600	220	110	6.1	7.5	710	--	--	--	--	19.9	
		Monthly - Nov 2013	19-Nov-13	<1.0	3.4 J	4.6 J	<1.0	<1.0	16	730	280	130	5.6	7.5	780	--	51.4	6.3	0.18	26.8	
ML04-7	74.75-75.25	Baseline - May/June 2013	17-May-13	<0.5	1.7 J	1.2 J	<0.5	<0.5	<0.5	4.6	220	35	150	5.4	11	2700	<2.0	64.9	34.5	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.2	1.7	0.7 J	<0.2	<0.2	<0.2	0.4 J	100	6.3	170	5.7	12	2400	--	--	--	--	16.1
		Monthly - Aug 2013	27-Aug-13	<0.2	1.7	0.7 J	<0.2	<0.2	<0.2	0.4 J	79	6.3	120	5.3	14	1800	--	--	--	--	16.3
		Monthly - Sept 2013	25-Sep-13	<0.5	1.7 J	0.7 J	<0.5	<0.5	<0.5	<0.5	120	7	180	6.6	15	2200	--	--	--	--	16.8
		Monthly - Nov 2013	19-Nov-13	<0.2	1.6	0.7 J	<0.2	<0.2	<0.2	0.4 J	91	6.3	140	4.6 J	12	1700	--	--	--	--	17.3

Notes:

< Less than the laboratory reporting limit shown
 -- Analyte not measured

Laboratory-Assigned Qualifiers

J Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
 R Associated MS and/or MSD analysis had relative percent recovery values less than the data rejection level. The reported non-detect result is unusable.

Definitions

ft bgs feet below ground surface
 CT carbon tetrachloride
 cis-1,2-DCE cis-1,2-dichloroethene
 1,1-DCA 1,1-dichloroethane
 1,2-DCA 1,2-dichloroethane
 1,1-DCE 1,1-dichloroethene
 DHG dissolved hydrocarbon gases
 mg/L milligrams per liter
 µg/L micrograms per liter
 PCE tetrachloroethene
 trans-1,2-DCE trans-1,2-dichloroethene
 1,1,1-TCA 1,1,1-trichloroethane
 TCE trichloroethene
 TOC total organic carbon
 VC vinyl chloride
 VOC volatile organic compounds