



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

December 10, 2013

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

**RE: EISB Pilot Study Status Report #5  
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 November 1 through 30, 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 – November 1, 2013 through November 30, 2013**

**DuPont Pompton Lakes Works**  
**Pompton Lakes, New Jersey**

This monthly report summarizes activities completed from November 1 to 30, 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 (November 1, 2013 to November 30, 2013)**

Activities completed during the reporting period included extraction well rehabilitation, system operation, and sampling.

*Recirculation System Operation/Maintenance*

- The system remained shut down between November 1<sup>st</sup> and November 13<sup>th</sup> for additional rehabilitation of EW01.
- Rehabilitation of EW01 using Nu-Well 110 (granular acid) and Nu-Well 310 (bio-acid dispersant that breaks down biofilm and disperses mineral salts) occurred between November 4<sup>th</sup> and November 13<sup>th</sup>. Both of these products are specifically designed for use in well rehabilitation and were used in accordance with the manufacturer's specifications. Following treatment, EW01 was thoroughly pumped until the pH of the pumped water was above 7 standard units.
- The system was restarted on November 13<sup>th</sup> and groundwater was extracted from EW01 at a rate of approximately 3 gallons per minute (GPM) between November 13<sup>th</sup> and November 27<sup>th</sup>. On November 27<sup>th</sup>, the flow rate was adjusted to 2 GPM to prevent excessive drawdown in EW01.
- Sodium lactate was amended to the re-injected groundwater once per day from November 13<sup>th</sup> to November 30<sup>th</sup> at a target time weighted average of lactate at 165 milligrams per liter (mg/L). Prior to system shutdown, approximately 81 gallons of sodium lactate had been amended to the re-injected groundwater.
- Routine system maintenance (e.g., particulate filter change outs, flow rate adjustments) was conducted between November 13<sup>th</sup> and November 30<sup>th</sup> once the system was turned back on.
- There was one leak detection sensor alarm in the extraction well vault on November 27<sup>th</sup>. Standing water was found in the bottom of EW01 following a storm the night before. The

system was inspected for leaks, and after none were detected, the alarm was cleared and the system was reset.

- One high pressure alarm in the IW02 vault occurred on November 27<sup>th</sup> following the reset of the leak detection alarm at EW01. The alarm was cleared and the system was reset.

## **Results to Date**

### *Groundwater Pumping*

From system start-up (June 24, 2013) to November 27, 2013, the total recirculated groundwater was 397,269 gallons.

### *Water Level Monitoring*

Manual water level measurements were collected approximately once per week between November 13<sup>th</sup> and November 30<sup>th</sup> in the surrounding monitoring wells during system operation (Table 1). Results are reported as depth-to-water in units of feet below top of casing (ft btoc) 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.

Manual water levels were collected on October 16<sup>th</sup> (approximately one week after system shut-down). Measurements in conventional monitoring wells in the pilot study area were consistent with previous measurements as collected during monthly water level monitoring events. For example, the water level at 128-I was 207.89 ft msl and at IW03 (lower) was 206.52 ft msl. The multi-level wells (ML02 and ML04) within the pilot study area monitor a very small zone of the aquifer. The water level measurements in these locations during non-recirculating conditions indicated a localized flat gradient (ML04-02 at 206.83 ft msl and ML02-07 at 206.66 ft msl).

### *Water Quality Monitoring*

During the system shut-down period, groundwater samples for water quality were not collected. Groundwater samples for the monthly sampling event were collected the week of November 18<sup>th</sup>. Additional samples for anions and iron (II) were collected from select locations (EW01-lower, ML02-02, ML02-04, ML04-02, ML04-04) following rehabilitation activities to evaluate minerals that may have contributed to fouling at EW01. 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 third monthly sampling event (September 25<sup>th</sup>) is presented in Table 3. The results prior to EW01 rehabilitation 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. Slight increases in ethene and ethane have also been seen in the same zone in 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 16<sup>th</sup>. Bromide monitoring was completed in October. No further bromide field data will be collected.

### *Summary*

Groundwater recirculation and electron donor amendment will continue for the remainder of the permit-by-rule. Future groundwater monitoring activities will continue to assess concentrations of key parameters in order to evaluate the operation and performance of the EISB system.

### **Activities Scheduled for Next Reporting Period (December 1~31, 2013)**

Activities scheduled for December 2013 include:

- Continued operation of the pilot-scale EISB system,
- 5<sup>th</sup> monthly monitoring event (week of December 16<sup>th</sup>), and
- System shutdown at 180 days of the permit-by-rule (December 21<sup>st</sup>).

The system will be routinely checked to confirm operation and monitor groundwater flow conditions.

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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

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**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 btoe)	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				
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				
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		
		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				

**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 btoe)	Groundwater Elevation (ft amsl)
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	11:53	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		
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		

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

Well ID	Top of Casing Elevation (ft ansl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoe)	Groundwater Elevation (ft ansl)
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
		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		
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		
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		
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		

**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 btoe)	Groundwater Elevation (ft amsl)
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
		ML02-4	217.80	5/14/2013	13:35
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
07/23/13	10:26			8.82	208.98
07/26/13	10:31			8.78	209.02
07/29/13	11:34			8.89	208.91
07/31/13	10:47			8.96	208.84
08/06/13	11:30			9.11	208.69
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
09/05/13	10:43			9.89	207.91
09/12/13	8:50			10.12	207.68
09/19/13	10:45			10.30	207.50
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		



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

Well ID	Top of Casing Elevation (ft ansl)	Date (mm/dd/yyyy)	Time (hh:mm)	Depth to Water (ft btoe)	Groundwater Elevation (ft ansl)
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		
11/26/13	9:02	11.86	205.94		
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		
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		
11/26/13	8:49	11.88	205.83		

**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 btoe)	Groundwater Elevation (ft amsl)
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		
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		
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		
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		

**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 btoe)	Groundwater Elevation (ft amsl)
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
		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		
ML04-6	217.71	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
		09/05/13	9:06	9.89	207.82
		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		

**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)
ML04-7	217.71	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
		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		

Notes:  
 NR - not recorded  
 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
EW-01-Lower	50.69 - 75.00	25-Sep-13	10:20	200	16.0	8.15	0.42	3	0.5	3.5	--	Clear, No Odor
		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
IW-01-Upper	19.90-44.90	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	--	
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
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.
ML02-5	34.36-34.86	18-Nov-13	12:05	250	15.5	7.55	0.49	-96	1.8	1.9	--	Clear, no odor.
		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		

**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
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
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
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
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
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

**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
ML04-5	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
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
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
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
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	--	

**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	<b>202</b>	<b>17.9</b>	--	--
		Baseline - May/June 2013	21-May-13	<0.1	<0.1	<0.1	<0.1	<0.1	<b>2.6</b>	<b>4.4</b>	<b>2.6</b>	<b>1.3</b>	<0.1	--	--	--	--	--	--	--	--	--
128-I	61.36-71.36	Baseline - May/June 2013	2-May-13	--	--	--	--	--	--	--	--	--	--	<b>5.4</b>	<b>3.7 J</b>	<b>1100</b>	<2.0	<b>84.8</b>	<b>36.2</b>	--	--	
		Baseline - May/June 2013	21-May-13	<1.0	<b>5.4</b>	<b>5.9</b>	<b>2.5 J</b>	<1.0	<1.0	<b>1.7 J</b>	<b>890</b>	<b>200</b>	<b>79</b>	--	--	--	--	--	--	--	--	--
128-D	125.2-145.2	Baseline - May/June 2013	2-May-13	--	--	--	--	--	--	--	--	--	--	<1.0	<b>1.1 J</b>	<b>190</b>	<2.0	<b>11.8</b>	<b>12.6</b>	--	--	
		Baseline - May/June 2013	21-May-13	<0.1	<0.1	<0.1	<b>4.7</b>	<0.1	<0.1	<b>0.4 J</b>	<b>6.6</b>	<b>7</b>	<b>2.8</b>	--	--	--	--	--	--	--	--	--
EW01-UPPER	21.60 - 45.92	Baseline - May/June 2013	16-May-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<b>5.7 J</b>
		Baseline - May/June 2013	17-May-13	<b>0.2 J</b>	<b>0.2 J</b>	<b>0.3 J</b>	<0.1	<0.1	<b>16</b>	<b>20</b>	<b>29</b>	<b>17</b>	<b>4.3</b>	<1.0	<1.0	<b>26</b>	<0.15	<b>47.9</b>	<b>34.3</b>	<0.054	<0.50	<0.50
		Biweekly - Mid July 2013	17-Jul-13	<0.1	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>22</b>	<b>17</b>	<b>9.8</b>	<b>0.6</b>	<1.0	<1.0	<3.0	--	--	--	--	--	--
		Monthly - July/Aug 2013	2-Aug-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>21</b>	<b>20</b>	<b>13</b>	<b>0.8</b>	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50
		Biweekly - Mid Aug 2013	15-Aug-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>0.8</b>	<1.0	<1.0	<3.0	--	--	--	--	--	--
		Monthly - Aug 2013	28-Aug-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>20</b>	<b>19</b>	<b>12</b>	<b>0.7</b>	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50
		Biweekly - Mid Sept 2013	13-Sep-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>22</b>	<b>22</b>	<b>20</b>	<b>13</b>	<b>0.7</b>	<1.0	<1.0	<3.0	--	--	--	--	--	--
		Monthly - Sept 2013	25-Sep-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>22</b>	<b>20</b>	<b>13</b>	<b>0.7</b>	<1.0	<1.0	<3.0	--	--	--	--	--	<0.50
EW01-LOWER	50.69 - 75.00	Baseline - May/June 2013	14-Jun-13	<0.5	<b>2.5</b>	<b>4.6</b>	<0.5	<0.5	<b>0.9 J</b>	<b>43</b>	<b>630</b>	<b>260 J</b>	<b>97</b>	<b>2.3 J</b>	<b>3.7 J</b>	<b>910</b>	<2.0	<b>54.1</b>	<b>43.9</b>	<0.054	<b>17.4</b>	
		Biweekly - Mid July 2013	17-Jul-13	<1.0	<b>3.1 J</b>	<b>3.9 J</b>	<1.0	<1.0	<b>22</b>	<b>49</b>	<b>530</b>	<b>200</b>	<b>120</b>	<b>4.8 J</b>	<b>4.9 J</b>	<b>900</b>	--	--	--	--	--	
		Monthly - July/Aug 2013	1-Aug-13	<0.5	<b>3.1</b>	<b>3.7</b>	<0.5	<0.5	<b>21</b>	<b>51</b>	<b>550</b>	<b>200</b>	<b>120</b>	<b>6.2</b>	<b>6.5</b>	<b>1000</b>	--	--	--	--	<b>5.4</b>	
		Biweekly - Mid Aug 2013	15-Aug-13	<1.0	<b>3.2 J</b>	<b>3.6 J</b>	<1.0	<1.0	<b>25</b>	<b>52</b>	<b>520</b>	<b>200</b>	<b>120</b>	<b>6</b>	<b>6.5</b>	<b>860</b>	--	--	--	--	--	
		Monthly - Aug 2013	28-Aug-13	<0.5	<b>3.5</b>	<b>4.1</b>	<0.5	<0.5	<b>16</b>	<b>49</b>	<b>600</b>	<b>220</b>	<b>130</b>	<b>7.4</b>	<b>8.7</b>	<b>910</b>	--	--	--	--	<b>7.1</b>	
		Biweekly - Mid Sept 2013	13-Sep-13	<0.5	<b>4</b>	<b>5.3</b>	<0.5	<0.5	<b>8.9</b>	<b>51</b>	<b>750</b>	<b>300</b>	<b>160</b>	<b>8.5</b>	<b>10</b>	<b>1300</b>	--	--	--	--	--	
Monthly - Sept 2013	25-Sep-13	<0.5	<b>3.6</b>	<b>5</b>	<0.5	<0.5	<b>5</b>	<b>48</b>	<b>720</b>	<b>290</b>	<b>150</b>	<b>7</b>	<b>8.1</b>	<b>1100</b>	--	--	--	--	--	<b>7.7</b>		
IW01-UPPER	19.90-44.90	Baseline - May/June 2013	14-May-13	<b>0.1 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>21</b>	<b>25</b>	<b>24</b>	<b>16</b>	<b>0.9</b>	<1.0	<1.0	<3.0	<2.0	<b>60.1</b>	<b>25.8</b>	<0.054 R	<b>2</b>	
IW01-LOWER	49.70-74.20	Baseline - May/June 2013	14-May-13	<0.5	<b>2.2 J</b>	<b>3.7</b>	<0.5	<0.5	<b>0.6 J</b>	<b>22</b>	<b>440</b>	<b>150</b>	<b>79</b>	<b>3.6 J</b>	<b>3.4 J</b>	<b>880</b>	<2.0	--	--	--	<b>5.7</b>	
IW02-UPPER	21.60-45.92	Baseline - May/June 2013	4-Jun-13	<b>0.2 J</b>	<0.1	<b>0.1 J</b>	<0.1	<0.1	<b>19</b>	<b>19</b>	<b>14</b>	<b>7.2</b>	<b>0.4 J</b>	<1.0	<1.0	<3.0	<2.0	<b>26.5</b>	<b>37.1</b>	--	<b>1</b>	
IW02-LOWER	50.69-75.00	Baseline - May/June 2013	15-May-13	<1.0	<b>2.0 J</b>	<b>3.5 J</b>	<1.0	<1.0	<1.0	<b>23</b>	<b>440</b>	<b>150</b>	<b>70</b>	<b>2.6 J</b>	<b>2.4 J</b>	<b>650</b>	<2.0	<b>50.4</b>	<b>41</b>	--	--	
IW03-UPPER	21.10-45.42	Baseline - May/June 2013	15-May-13	<b>0.4 J</b>	<b>0.2 J</b>	<b>0.2 J</b>	<0.1	<0.1	<b>19</b>	<b>17</b>	<b>22</b>	<b>10</b>	<b>2.2</b>	<1.0	<1.0	<b>22</b>	<2.0	<b>77.2</b>	<b>24.4</b>	--	<0.50	
IW03-LOWER	50.19-75.50	Baseline - May/June 2013	17-May-13	<1.0	<b>1.3 J</b>	<b>2.8 J</b>	<1.0	<1.0	<1.0	<b>28</b>	<b>380</b>	<b>140</b>	<b>56</b>	<b>1.7 J</b>	<b>3.0 J</b>	<b>840</b>	<0.075	<b>48.3</b>	<b>42.5</b>	--	<b>7.2</b>	
ML02-1	14.42-14.92	Baseline - May/June 2013	14-May-13	<b>0.4 J</b>	<b>0.2 J</b>	<b>0.1 J</b>	<0.1	<0.1	<b>23</b>	<b>14</b>	<b>41</b>	<b>9.9</b>	<b>5.4</b>	<1.0	<1.0	<b>10 J</b>	<2.0	<b>35</b>	<b>23.2</b>	<0.054 R	--	
		Monthly - July/Aug 2013	31-Jul-13	<b>0.3 J</b>	<b>0.3 J</b>	<b>0.4 J</b>	<0.1	<0.1	<b>23</b>	<b>15</b>	<b>35</b>	<b>17</b>	<b>8.1</b>	--	--	--	--	--	--	--	<b>2.7</b>	
		Monthly - Aug 2013	27-Aug-13	<b>0.3 J</b>	<0.1	<b>0.2 J</b>	<0.1	<0.1	<b>20</b>	<b>15</b>	<b>15</b>	<b>6.9</b>	<b>1.2</b>	--	--	--	--	--	--	--	<0.50	
ML02-6	24.39-24.89	Baseline - May/June 2013	14-May-13	<0.1	<0.1	<b>0.3 J</b>	<0.1	<0.1	<b>19</b>	<b>22</b>	<b>22</b>	<b>16</b>	<b>1.2</b>	<1.0	<1.0	<b>3.3 J</b>	<2.0	<b>34.6</b>	<b>39.8</b>	<0.054 R	--	
		Monthly - July/Aug 2013	31-Jul-13	<0.1	<0.1	<b>0.3 J</b>	<0.1	<0.1	<b>23</b>	<b>22</b>	<b>22</b>	<b>15</b>	<b>0.9</b>	--	--	--	--	--	--	--	<b>0.51 J</b>	
		Monthly - Aug 2013	27-Aug-13	<0.1	<0.1	<b>0.3 J</b>	<0.1	<0.1	<b>24</b>	<b>22</b>	<b>22</b>	<b>15</b>	<b>0.9</b>	--	--	--	--	--	--	--	<b>0.53 J</b>	
		Monthly - Sept 2013	24-Sep-13	<0.1	<0.1	<b>0.3 J</b>	<0.1	<0.1	<b>24</b>	<b>23</b>	<b>23</b>	<b>16</b>	<b>0.8 J</b>	--	--	--	--	--	--	--	<b>0.91 J</b>	
ML02-5	34.36-34.86	Baseline - May/June 2013	14-May-13	<b>0.2 J</b>	<b>0.2 J</b>	<b>0.5</b>	<0.1	<0.1	<b>24</b>	<b>40</b>	<b>45</b>	<b>25</b>	<b>1.8</b>	<1.0	<1.0	<b>5.8</b>	<2.0	<b>13</b>	<b>28.6</b>	<b>0.16 J</b>	--	
		Biweekly - Mid July 2013	17-Jul-13	<b>0.2 J</b>	<b>0.2 J</b>	<b>0.5</b>	<0.1	<0.1	<b>12</b>	<b>30</b>	<b>53</b>	<b>24</b>	<b>5.4</b>	--	--	--	--	--	--	--	--	
		Monthly - July/Aug 2013	31-Jul-13	<b>0.2 J</b>	<b>0.2 J</b>	<b>0.5</b>	<0.1	<0.1	<b>34</b>	<b>44</b>	<b>43</b>	<b>19</b>	<b>1.7</b>	--	--	--	--	--	--	--	<b>1.5</b>	
		Biweekly - Mid Aug 2013	14-Aug-13	<b>0.3 J</b>	<b>0.2 J</b>	<b>0.6</b>	<0.1	<0.1	<b>36</b>	<b>43</b>	<b>43</b>	<b>25</b>	<b>1.5</b>	--	--	--	--	--	--	--	--	
		Monthly - Aug 2013	27-Aug-13	<b>0.4 J</b>	<b>0.2 J</b>	<b>0.6</b>	<0.1	<0.1	<b>41</b>	<b>49</b>	<b>48</b>	<b>19</b>	<b>2.1</b>	--	--	--	--	--	--	--	<b>0.70 J</b>	
		Biweekly - Mid Sept 2013	12-Sep-13	<b>0.1 J</b>	<b>1.9</b>	<b>2.4</b>	<0.1	<0.1	<b>26</b>	<b>56</b>	<b>240</b>	<b>76</b>	<b>52</b>	--	--	--	--	--	--	--	--	
Monthly - Sept 2013	24-Sep-13	<0.1	<b>3.6</b>	<b>4.4</b>	<0.1	<0.1	<b>18</b>	<b>45</b>	<b>500</b>	<b>140</b>	<b>120 J</b>	--	--	--	--	--	--	--	--	<b>63.8</b>		
ML02-4	44.39-44.89	Baseline - May/June 2013	14-May-13	<b>0.5</b>	<b>0.4 J</b>	<b>1.4</b>	<0.1	<0.1	<b>46</b>	<b>85</b>	<b>89</b>	<b>36</b>	<b>6</b>	<1.0	<1.0	<b>22</b>	<2.0	<b>20.6</b>	<b>43.8</b>	<b>0.14 J</b>	--	
		Biweekly - Mid July 2013	17-Jul-13	<1.0	<b>2.9 J</b>	<b>3.2 J</b>	<1.0	<1.0	<b>6.1 J</b>	<b>44 J</b>	<b>510 J</b>	<b>81 J</b>	<b>61 J</b>	<b>4.6 J</b>	<b>5</b>	<b>840</b>	--	--	--	--	--	
		Monthly - July/Aug 2013	1-Aug-13	<0.5	<b>3</b>	<b>3.7</b>	<0.5	<0.5	<b>24</b>	<b>53</b>	<b>530</b>	<b>200</b>	<b>120</b>	<b>5.5</b>	<b>6.5</b>	<b>720</b>	--	--	--	--	<b>24.6</b>	
		Biweekly - Mid Aug 2013	14-Aug-13	<b>0.2 J</b>	<b>3.5</b>	<b>4.6</b>	<0.1	<0.1	<b>23</b>	<b>50</b>	<b>510</b>	<b>180</b>	<b>110</b>	<b>5.3</b>	<b>6.4</b>	<b>680</b>	--	--	--	--	--	
		Monthly - Aug 2013	27-Aug-13	<1.0	<b>3.2 J</b>	<b>3.9 J</b>	<1.0	<1.0	<b>21</b>	<b>50</b>	<b>500</b>	<b>190</b>	<b>120</b>	<b>6.2</b>	<b>8.1</b>	<b>770</b>	--	--	--	--	<b>12.5</b>	
		Biweekly - Mid Sept 2013	12-Sep-13	<1.0	<b>3.6 J</b>	<b>4.3 J</b>	<1.0	<1.0	<b>9.8</b>	<b>30</b>	<b>670</b>	<b>220</b>	<b>130</b>	<b>6.4</b>	<b>9.3</b>	<b>920</b>	--	--	--	--	--	
Monthly - Sept 2013	24-Sep-13	<0.1	<b>4.2</b>	<b>5.6</b>	<0.1	<0.1	<b>4.9</b>	<b>13</b>	<b>710</b>	<b>240</b>	<b>140 J</b>	<b>7.6</b>	<b>12</b>	<b>1100</b>	--	--	--	--	--	<b>34.3</b>		



**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
ML02-3	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
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
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	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	0.2 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 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	0.4 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	0.3 J	64	4.3	100 J	3.6 J	15	4300	--	--	--	--	29.6	
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
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
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
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
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

**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	mg/L	mg/L	mg/L	mg/L	mg/L
ML04-2	64.66-65.16	Baseline - May/June 2013	17-May-13	<0.2	<b>1.5</b>	<b>1.9</b>	<0.2	<0.2	<b>3.8</b>	<b>24</b>	<b>200</b>	<b>62</b>	<b>45</b>	<b>20</b>	<b>31</b>	<b>4100</b>	<2.0	<b>118</b>	<b>31.9</b>	--	--
		Monthly - July/Aug 2013	1-Aug-13	<1.0	<b>7</b>	<b>7.7</b>	<1.0	<1.0	<1.0	<b>33</b>	<b>1300</b>	<b>430</b>	<b>280</b>	<b>11</b>	<b>16</b>	<b>1700</b>	--	--	--	--	<b>7.9</b>
		Monthly - Aug 2013	27-Aug-13	<1.0	<b>4.7 J</b>	<b>6.4</b>	<1.0	<1.0	<1.0	<b>33</b>	<b>1100</b>	<b>380</b>	<b>170</b>	<b>8</b>	<b>10</b>	<b>880</b>	--	--	--	--	<b>12.8</b>
		Monthly - Sept 2013	25-Sep-13	<1.0	<b>3.3 J</b>	<b>4.9 J</b>	<1.0	<1.0	<1.0	<b>23</b>	<b>600</b>	<b>220</b>	<b>110</b>	<b>6.1</b>	<b>7.5</b>	<b>710</b>	--	--	--	--	<b>19.9</b>
ML04-7	74.75-75.25	Baseline - May/June 2013	17-May-13	<0.5	<b>1.7 J</b>	<b>1.2 J</b>	<0.5	<0.5	<0.5	<b>4.6</b>	<b>220</b>	<b>35</b>	<b>150</b>	<b>5.4</b>	<b>11</b>	<b>2700</b>	<2.0	<b>64.9</b>	<b>34.5</b>	--	--
		Monthly - July/Aug 2013	1-Aug-13	<0.2	<b>1.7</b>	<b>0.7 J</b>	<0.2	<0.2	<0.2	<b>0.4 J</b>	<b>100</b>	<b>6.3</b>	<b>170</b>	<b>5.7</b>	<b>12</b>	<b>2400</b>	--	--	--	--	<b>16.1</b>
		Monthly - Aug 2013	27-Aug-13	<0.2	<b>1.7</b>	<b>0.7 J</b>	<0.2	<0.2	<0.2	<b>0.4 J</b>	<b>79</b>	<b>6.3</b>	<b>120</b>	<b>5.3</b>	<b>14</b>	<b>1800</b>	--	--	--	--	<b>16.3</b>
		Monthly - Sept 2013	25-Sep-13	<0.5	<b>1.7 J</b>	<b>0.7 J</b>	<0.5	<0.5	<0.5	<0.5	<b>120</b>	<b>7</b>	<b>180</b>	<b>6.6</b>	<b>15</b>	<b>2200</b>	--	--	--	--	<b>16.8</b>

**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

