

QUARTERLY SUMMARY REPORT

PERIOD: April 1, 2015 through June 30, 2015

Date of Report: July 7, 2015

Location: American Drive-in Cleaners Site, 3801 Hempstead Turnpike, Levittown, NY

Activities During Reporting Period (April through June 2015)

- Monthly monitoring of the Beverage Center SSDS
- Shutdown of SSDS system in preparation for SVI Sampling - March 19, 2015
- Soil Vapor Intrusion (SVI) sampling at the Beverage Center on April 2, 2015
- Startup of SSDS system following completion of SVI sampling – April 2, 2015
- Submission of Annual PRR – April 24, 2015
- Submittal of data transmittal for SVI sampling May 8, 2015
- Performance of quarterly groundwater monitoring on June 17, 2015 at monitoring wells MW-7I, MW-7D, MW-8I, MW-9I, MW-9D, and MW-10I

Anticipated Activities During Next Reporting Period (July through September 2015)

- Monthly monitoring of the Beverage Center SSDS

Summary and Conclusions

SVI Sampling – SVI Sampling at the adjoining Beverage Center was performed on April 2, 2015 following a two week long shutdown of the SSDS and was conducted in accordance with our March 2, 2015 NYSDEC/NYSDOH approved SVI Work Plan. The sampling results indicated low concentrations for two VOCs for which NYDOH provides guidance. Based upon these sampling results, as discussed in our May 8, 2015 data submittal, no further action is required in accordance with the NYSDOH guidance and shutdown of the SSDS has been requested.

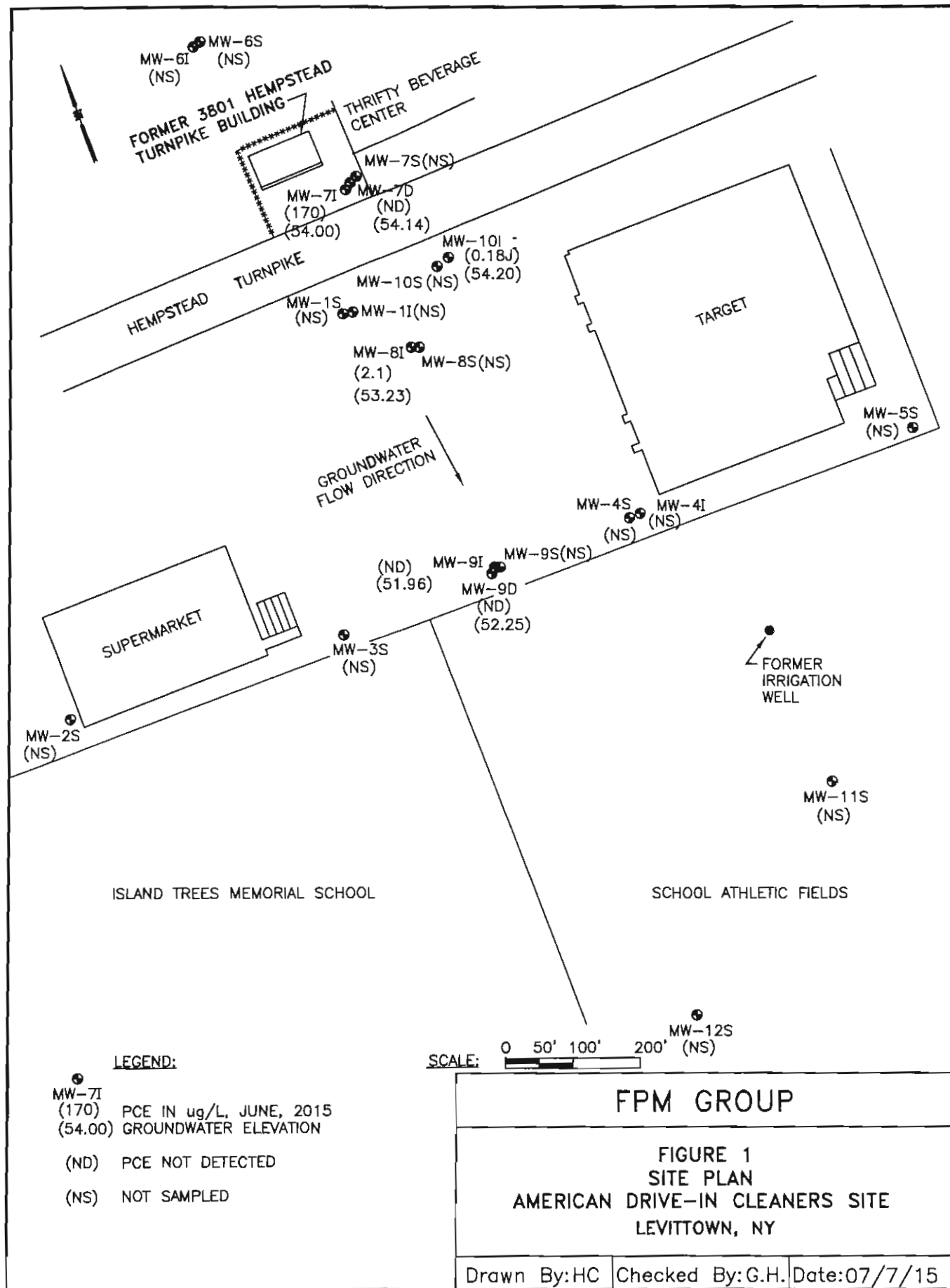
Groundwater Monitoring – Sampling was performed on June 17, 2015 in accordance with the requirements specified in the March 2010 SMP and the July 2012 and June 2014 modifications. Table 1 is attached and includes both historic and most recent monitoring data. Figure 1, which shows the most recent PCE concentrations and groundwater elevation information, is also attached.

The 2nd quarter 2015 data included detections of PCE in one onsite intermediate-level well (MW-7I) in excess of the NYSDEC Class GA Ambient Water Quality Standard (Standards). The detected level was noted to increase slightly relative to the previous sampling results in the 1st quarter 2014 but remains well below historic levels. No PCE was detected above Standards in the offsite wells. The extent of groundwater impacted by PCE in excess of its NYSDEC Standard remains delineated. FPM recommends that monitoring be continued in accordance with the SMP and modifications. The next monitoring event is scheduled for the 3rd quarter of 2016.

Beverage Center SSDS Monitoring - Monitoring of the Beverage Center SSDS was performed monthly during the monitoring period. No issues with SSDS performance or operation were noted.

Attachments

- Table 1 – Groundwater Analytical Results
- Figure 1 – Site Plan



FPM GROUP

FIGURE 1
SITE PLAN
AMERICAN DRIVE-IN CLEANERS SITE
LEVITTOWN, NY

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
AMERICAN DRIVE-IN CLEANERS
3801 HEMPSTEAD TURNPIKE, LEVITTOWN, NEW YORK

Analytical Parameter	Units	Date Sampled	MW-1I	MW-1S	MW-2S	MW-3S	MW-4I	MW-4S	MW-5S	MW-6I	MW-6S	MW-7D	MW-7I	MW-7S	MW-8I	MW-8S	MW-9D	MW-9I	MW-9S	MW-10I	MW-10S	MW-11S	MW-12S	TOGS Groundwater Standards
Tetrachloroethene	ug/L	1990	NA	274	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
		1/20/98	NA	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		2/25/98	NA	NA	NA	NA	NA	76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		3/18/98	ND	180	ND	ND	NA	40	ND	ND	34	NA	120	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		4/22/98	ND	250	ND	ND	NA	130	ND	ND	8	NA	130	5,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		2/3/99	2	360	ND	ND	NA	580	ND	ND	2	2	1,400	16,000	180	1,500	ND	ND	150	NA	NA	NA	NA	
		7/30/99	NA	NA	NA	NA	NA	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		1/20/00	NA	NA	NA	NA	NA	180	NA	NA	NA	NA	1,600	3,400	NA	570	NA	NA	74	NA	NA	NA	NA	
		9/14/04	ND	ND	NA	NA	0.62 J	1.0 J	NA	NS	NS	0.51 J	1,800 D	0.77 J	NS	ND	ND	ND	2.6 J	1.9 J	12	ND	NA	
		9/6/05	ND	ND	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	ND	ND	0.82 J	NS	NS	NS	NA	
		9/7/05	NS	NS	NA	NA	ND	8.8	NA	NS	NS	0.90 J	77	1.2	NS	ND	NS	NS	NS	1.3	2	ND	NA	
		10/26/07	ND	ND	NA	NA	NS	NS	NA	ND	ND	ND	220	570	ND	NS	NS	NS	NS	ND	ND	NS	NA	
		1/25/08	ND	ND	NA	ND	ND	ND	NM	ND	ND	ND	120	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	
		4/30/08	ND	ND	NA	ND	ND	ND	NS	ND	ND	ND	34	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	
		7/28-29/08	ND	ND	NA	ND	ND	ND	NS	ND	ND	ND	120	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	
		10/27/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	88	6.7	ND	ND	ND	ND	ND	NS	NS	NS	NS	
		1/31/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	110	14	110	ND	ND	ND	ND	NS	NS	NS	NS	
		4/29/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.68	88	ND	240	ND	ND	ND	ND	NS	NS	NS	NS	
		7/27/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.6	39	1.6	36	6.2	1.5	ND	1.1	NS	NS	NS	NS	
		10/8/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	170	1.9	190	2.6	ND	ND	ND	NS	NS	NS	NS	
		1/27/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	36	3.8	110	ND	ND	ND	ND	NS	NS	NS	NS	
		4/8/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	2.4	4.3	2.2	ND	ND	ND	ND	NS	NS	NS	NS	
		7/14-16/10	ND	ND	ND	ND	ND	1.5 J	ND	ND	ND	ND	7.9	4.5 J	250	ND	ND	ND	ND	ND	ND	ND	ND	
		10/21/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	8.6	72	ND	ND	ND	ND	NS	NS	NS	NS	
		1/31/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	8.1	ND	1.1 J	ND	ND	ND	ND	NS	NS	NS	NS	
		4/26/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	0.87 J	3.8 J	ND	2.1 J	ND	ND	ND	NS	NS	NS	NS	
		8/1-2/2011	ND	ND	NS	ND	ND	1.2 J	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	
		11/8/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.20 J	56	0.64 J	120	ND	ND	ND	ND	NS	NS	NS	NS	
		2/15/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.19 J	18	2	85	0.38 J	0.17 J	ND	0.16 J	NS	NS	NS	NS	
		5/22/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	83	0.74 J	16	0.80 J	ND	ND	0.21 J	NS	NS	NS	NS	
		8/22/12	NS	NS	NS	NS	NS	1.3	NS	0.15 J	ND	0.12 J	35	0.51 J	22	0.35 J	ND	ND	ND	ND	NS	NS	NS	
		12/4/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 J	49	1.5	20	0.43 J	0.10 J	ND	ND	NS	NS	NS	NS	
		2/20/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	82	0.72 J	28	0.43 J	ND	ND	0.15 J	NS	NS	NS	NS	
		5/16/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.14 J	97	1	6.1	ND	ND	0.16 J	ND	NS	NS	NS	NS	
		9/4/13	NS	NS	NS	NS	NS	0.79 J	NS	ND	ND	ND	310	0.81 J	140	0.35 J	ND	ND	0.11 J	ND	NS	NS	NS	
		11/25/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.28 J	170	ND	180	0.42 J	ND	ND	0.25 J	NS	NS	NS	NS	
		3/5/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15 J	160	1.6	61	0.62 J	ND	ND	0.23 J	NS	NS	NS	NS	
		6/17/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	170	NS	2.1	NS	ND	ND	NS	0.18 J	NS	NS	NS	
Toluene	ug/L	9/14/04	ND	ND	NA	NA	ND	0.50 J	NA	NS	NS	0.53 J	ND	ND	NS	ND	0.57 J	0.53 J	ND	ND	ND	0.50 J	NA	5
		7/27/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.89	NS	NS	NS	NS	
		7/14-16/10	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		1/31/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.72 J	ND	ND	NS	NS	NS	NS	
		11/8/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.20 J	ND	NS	NS	NS	NS	NS	
		2/20/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.24 J	0.18 J	NS	NS	NS	NS	
Xylenes (total)	ug/L	9/14/04	ND	ND	NA	NA	ND	0.56 J	NA	NS	NS	0.66 J	0.82 J	ND	NS	ND	0.56 J	0.65 J	ND	0.56 J	ND	0.84 J	NA	5
		1/27/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	3.2	NS	NS	NS	NS	NS	
Acetone	ug/L	9/14/04	ND	ND	NA	NA	ND	NA	NS	NS	NS	2.2 J	ND	0.86 J	NS	ND	ND	ND	ND	ND	ND	ND	NA	50
		4/29/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	6.1	1.1	18	2	2.5	2.9	32	NS	NS	NS	NS	
		7/27/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	49	13	NS	NS	NS	NS	
		10/8/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	5.7	ND	ND	ND	ND	NS	NS	NS	NS	
		1/27/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5	2.6	1.3	3.9	3.9	2.2	ND	1.2	NS	NS	NS	NS	
		4/8/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.7	3	2.1	4.5	NS	NS	NS	NS	
		7/14-16/10	2.7 J	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	62	ND	4.2 J	4.0 J	2.3 J	ND	1.8 J	ND	1.9 J	
		10/21/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	2.0 J	NS	NS	NS	NS	
		1/31/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.7 J	1.9 J	1.5 J	2.1 J	2.5 J	10	10	1.8 J	NS	NS	NS	NS	
		4/26/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5 JB	ND	ND	ND	3.1 J	3.7 J	ND	6.2 JB	NS	NS	NS	NS	
		8/1-2/2011	2.4 J	ND	ND	2.2 J	ND	1.8 J	13	1.8 J	ND	2.1 J	1.5 J	1.3 J	2.3 J	2.4 J	ND	7.1 J	2.3 J	1.6 J	1.2 J	ND	ND	
		8/22/12	NS	NS	NS	NS	NS	21	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	
1,1-Dichloroethane	ug/L	6/17/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	16	NS	ND	NS	ND	ND	NS	ND	NS	NS	NS	5
		2/4/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	27	NA	NA	4	NA	NA	NA	NA	NA	
		1/20/00	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	140	NA	10	NA	NA	1	NA	NA	NA	NA	
		9/14/04	ND	ND	NA	NA	ND	NA	NS	NS	NS	ND	0.51 J	NS	ND	ND	ND	ND	ND	ND	ND	ND	NA	
		9/6/05	ND	ND	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS	0.53 J	ND	ND	ND	NS	NS	NS	NA	
		9/7/05	NS	NS	NA	NA	ND	ND	NA	NS	NS	ND	ND	ND	NS	ND	NS	NS	NS	ND	1.4	ND	NA	
		1/25/08	ND	ND	NA	ND	ND	NM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		4/29/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	2.7	ND	ND	NS	NS	NS	NS	
		7/27/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.7	ND	ND	NS	NS	NS	NS	
		11/8/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.22 J	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	

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Analytical Parameter	Units	Data Sampled	MW-11	MW-16	MW-25	MW-35	MW-41	MW-45	MW-55	MW-61	MW-65	MW-70	MW-71	MW-75	MW-81	MW-85	MW-90	MW-91	MW-95	MW-101	MW-105	MW-115	MW-125	NYSDEC Class GA Ambient Water Quality Standard				
Chloroform	ug/L	9/14/04	ND	ND	NA	NA	ND	ND	NA	NS	NS	ND	ND	0.84 J	NS	ND	ND	0.57 J	ND	ND	0.79 J	ND	NA	7				
		9/6/05	ND	0.62 J	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	ND	1.3	ND	NS	NS	NS	NA					
		9/7/05	NS	NS	NA	NA	ND	ND	NA	NS	NS	ND	ND	0.81 J	NS	NS	NS	NS	NS	ND	3.3	ND	NA					
		4/29/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	1.1	ND	ND	ND	ND	ND	NS	NS	NS		NS			
		7/27/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	0.76	ND	ND	ND	ND	NS	NS	NS	NS		NS			
		11/8/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.32 J	ND	ND	ND	ND	0.67 J	ND	0.72 J	NS	NS	NS		NS			
		2/15/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.31 J	ND	0.17 J	0.097 J	ND	0.24 J	ND	ND	NS	NS	NS		NS			
		5/22/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.18 J	ND	0.38 J	ND	ND	ND	ND	0.45 J	NS	NS	NS		NS			
		8/23/12	NS	NS	NS	NS	NS	NS	0.45 J	NS	ND	0.13 J	ND	ND	0.11 J	ND	0.13 J	0.27 J	ND	1.1	ND	NS	NS		NS			
		12/4/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 J	ND	0.22 J	ND	0.43 J	ND	ND	NS	NS	NS		NS			
		2/20/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.36 J	ND	ND	ND	ND	ND	ND	0.18 J	NS	NS	NS		NS			
		5/16/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	0.26 J	ND	ND	0.23 J	ND	0.29 J	NS	NS	NS		NS			
		9/4/13	NS	NS	NS	NS	NS	NS	0.41 J	NS	ND	0.20 J	0.13 J	ND	0.23 J	ND	ND	0.12 J	ND	0.18 J	NS	NS	NS		NS			
		11/25/13	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	0.40 J	ND	0.26 J	ND	ND	0.30 J	ND	0.33 J	NS	NS	NS		NS			
		3/5/14	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	0.36 J	ND	0.12 J	ND	0.10 J	0.22 J	0.16 J	NS	NS	NS	NS		NS			
		1,1,1-Trichloroethane	ug/L	3/16/98	ND	4	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	5	
				4/22/99	ND	6	ND	ND	NA	NA	NA	1	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA
				2/3/99	ND	9	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	4	NA	NA		NA	NA		NA
				7/30/99	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA
1/20/00	NA			NA	NA	NA	NA	1	NA	NA	NA	NA	NA	ND	230	NA	14	NA	3	NA	NA	NA	NA	NA				
9/14/04	ND			ND	NA	NA	ND	ND	NA	NS	NS	NS	ND	ND	0.87 J	NS	NS	ND	ND	ND	ND	ND	ND	NA				
9/7/05	NS			NS	NA	NA	ND	ND	NA	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	ND	1.5	ND	ND	NA				
5/22/12	NS			NS	NS	NS	ND	ND	NS	NS	NS	NS	ND	ND	0.23 J	ND	ND	ND	ND	NS	NS	NS	NS	NS				
8/23/12	NS			NS	NS	NS	NS	NS	0.67 J	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS				
Methylene Chloride	ug/L	9/14/04	ND	ND	NA	NA	ND																					

Notes:
 ND = Not Detected above the method detection limit of the laboratory
 Bold and shaded values indicate concentrations in excess of Class GA Ambient Water Quality Standards
 NS = Not sampled
 NA = Not available
 J = Laboratory Estimate
 B= analyte was found in an associated laboratory blank