MEMORANDUM

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

To: Billy Meyer

From: Christie Zawtocki, PE
Timothy Klotz

Date: October 2, 2013

Project: One Hour Martinizing Site, DSCA ID 32-0013
1103 W Club Blvd, Durham, NC

Subject: Monthly Update

Hart & Hickman, PC (H&H) is proceeding with implementation of the Remedial Action Plan (RAP) for the One Hour Martinizing site. A brief summary of recently completed activities and upcoming activities is provided below.

Monthly Vapor Field Screening

On September 11, 2013, H&H completed a monthly vapor field screening event at the site. The event included measuring total volatile organic compounds (VOCs), methane, carbon dioxide, and oxygen in soil vapor, indoor air, and outdoor ambient air. The primary purpose of the sampling is to confirm methane levels are not above acceptable standards. Measurements were collected at the following locations:

- Soil Vapor Monitoring Points: SV-8S, SV-8I, SV-18S, SV-19S, SV-20S, SV-20D, SV-29S, SV-55S, SV-55I
- Excavation Vent Exhaust Pipe
- Sub-Slab Depressurization (SSD) System Exhaust and Indoor Air at 1414 Watts St (Triangle Family Church)
- Ambient, Outdoor Air on Source Property

The field screening data are summarized in the attached Table 1, and the methane readings are shown on the attached Figure 1. Recorded field measurements indicate that methane was detected in the sampled source property soil vapor points (SV-8S, SV-8I, SV-55S and SV-55I) at low levels ranging from 0.2 to 0.9% by volume and four off-source property soil vapor points (SV-18S, SV-20S, SV-20D, and SV-29S) at low levels of 0.1% by volume. Very low methane levels (0.1 % by volume) were also detected in the sub-slab depressurization system exhaust at the Triangle Family Church at 1414 Watts St. These methane readings are well within acceptable levels. Methane was detected in the vapors from the excavation passive exhaust vent at a level of 15.7% by volume. These vapors are exhausted into the atmosphere through the stack installed on the source property where they dissipate into the atmosphere. Ambient air

monitoring conducted near ground level in the immediate vicinity of the exhaust vent did not detect any measurable levels of methane. The monthly methane field readings generally appear to be stable or decreasing over time between January 2013 and September 2013.

VOCs were detected in each of the monitored soil vapor points. As expected, the highest VOC concentrations were detected in source property soil vapor points SV-8S (423 ppm) and SV-8I (3,056 ppm) located near the source excavation area. The vapor points will continue to be monitored on a monthly basis to evaluate changes over time. The next monthly field screening event is scheduled for October 9, 2013.

Groundwater Sampling

Between August 19 and 22, 2013, H&H conducted a groundwater sampling event at the site to evaluate current groundwater concentrations. H&H gauged water levels and collected groundwater samples from all monitoring wells associated with the site, except for MW-20S and MW-20I. The property owner at 1410 Watts St, where MW-20S and MW-20I are located, would not grant access for the sampling event. All of the samples were analyzed for volatile organic compounds (VOCs) to evaluate current concentrations of dry-cleaning related constituents. In addition, monitoring wells in the vicinity of the planned injection area were analyzed for additional parameters to evaluate groundwater conditions post-excavation/Daramend application and pre-injection of EHC. The monitoring wells listed below were monitored for geochemical parameters, including pH, temperature, dissolved oxygen (DO), conductivity, oxidation-reduction potential (ORP), methane, ethane, ethene, total organic carbon, and iron:

- Source property: MW-3R, MW-3I, MW-4R, MW-4I, MW-21S, MW-21I, MW-22S, MW-22I, MW-23S, and MW-23I
- West of source property: MW-10
- South of source property: MW-18
- East of source property: MW-14S, MW-14I, MW-16S, and MW-16I

To supplement data collected during the groundwater sampling event, H&H advanced three borings (GW-1, GW-2, and GW-3) within the planned injection area using a direct-push technology (DPT) rig to evaluate refusal depths and collect additional groundwater data. The DPT sampling was conducted on September 6, 2013. Groundwater samples collected from the DPT borings were analyzed for VOCs to further evaluate groundwater concentrations within the planned injection area.

The water level measurements and groundwater elevations are summarized in the attached Table 7, and a groundwater gradient map depicting the groundwater flow direction is provided as Figure 2. The groundwater flow direction is generally consistent with historical groundwater gradient maps for the site.

The groundwater analytical data for the August 2013 monitoring well sampling and September 2013 DPT sampling are summarized in the attached Table 8, along with historical site data.

Figures 3A through 3D depict the tetrachloroethene (PCE) and trichloroethene (TCE) groundwater plumes for the shallow ("S" wells) and intermediate ("I" wells) depth monitoring intervals at the site.

During the August and September 2013 sampling events, the highest PCE concentrations in shallow groundwater were detected in the southeast portion of the source property (80.9 mg/L in MW-23S, 23.7 mg/L in GW-3, and 10.9 mg/L in GW-1) and the northeast portion of the adjacent property at 1414 Watts Street (15 mg/L in MW-15S). Shallow monitoring well MW-22S, which was installed in the middle of the excavation area, did not contain detectable concentrations of PCE (<0.001 mg/L), and monitoring well MW-21, which was installed immediately west of the excavation area, contained a low concentration of PCE (0.00144 mg/L). These results indicate that shallow groundwater beneath a large portion of the excavation area has been effectively treated by the excavation activities and placement of Daramend in the bottom of the excavation. For the intermediate groundwater monitoring zone, the highest PCE concentrations were detected on the source property immediately beneath the excavation area in MW-22I (57.7 mg/L) and GW-3 (12.9 mg/L).

H&H prepared PCE concentration versus time graphs to evaluate concentration trends in the site monitoring wells. Several of the monitoring wells indicate fluctuating or stable concentrations over time. PCE concentrations appear to be increasing over time in monitoring wells MW-4R, MW-14S, MW-15S, MW-16S, and MW-18 located northeast, east, and southeast of the source area. The source area remedial actions should reduce the mass flux of PCE from the source area and ultimately reduce PCE groundwater concentrations downgradient of the source. Future groundwater monitoring will further evaluate concentration trends at the site.

PCE degradation products (TCE, cis-1,2-DCE, trans-1,2-DCE, and VC) were detected in several of the monitoring wells. Consistent with previous groundwater sampling events, the highest concentrations of degradation products were detected in intermediate, source area monitoring well MW-22I and shallow, downgradient monitoring well MW-11.

Methyl ethyl ketone (MEK) and acetone were detected in source area monitoring well MW-22S during the post-excavation January 2013 groundwater sampling event, likely associated with the Daramend placement in the excavation (as discussed in the February 1, 2013 monthly update). As expected, the concentrations of acetone and MEK have decreased and were not detected in MW-22S in August 2013. Acetone was detected in MW-22I and MW-23S in August 2013 and in the DPT groundwater samples from borings GW-2 and GW-3 at concentrations below the DSCA Program Tier 1 Risk-Based Screening Level (RBSL) of 6 mg/L. Acetone concentrations are expected to decrease over time.

The geochemical parameter results are summarized in Table 12. These data were collected primarily to serve as baseline data prior to the planned EHC injection. The data for shallow source area monitoring well MW-22S (low DO and ORP and increased methane, ethane, and ethene) indicate that anaerobic conditions favorable for degradation of PCE have been created by the placement of Daramend in the bottom of the excavation

Indoor Air Monitoring

In September 2013, H&H conducted quarterly indoor air monitoring at the three structures adjacent to the source property where vapor mitigation systems are in place (1419 Dollar St, 1421 Dollar St, and 1414 Watts St). On September 15, 2013, H&H collected two 3-hour Summa canister indoor air samples from the Triangle Family Church at 1414 Watts St during the church's Sunday service. H&H collected two 14-day Radiello samples from the 1419 Dollar St residence (between 9/17/13 and 10/1/13) and the 1421 Dollar St residence (between 9/4/13 and 9/17/13). The indoor air samples were submitted for laboratory analysis of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride. The analytical results will be provided in the next monthly update.

Injection of Adventus EHC

The RAP includes injection of EHC (a commercial remediation product that contains zero-valent iron and carbon) to treat shallow groundwater impacts at the source property. Based on the August and September 2013 groundwater sampling results, H&H is currently reviewing the EHC injection plan to determine if any modifications (e.g., number of injection points, locations of injection points, volume of EHC injected, etc.) are needed to meet the intent of the RAP. H&H has provided the recent groundwater data to the supplier of EHC and to an injection contractor. H&H will continue to work with the DSCA Program to finalize the injection plans. Based on the injection contractor's availability, we anticipate completing the injection activities in December 2013. An updated calendar is attached.

Information Session

The DSCA Program is planning to hold a public information session prior to the start of the EHC injection. The meeting will likely be held in November 2013. The website will be updated once the information session is scheduled.

TABLES

Table 1: Soil Vapor Point and Indoor/Outdoor Air Field Measurements **ADT 1**

DSCA ID No.: 32-0013

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	Methane	Carbon Dioxide	Oxygen
			ppm	%	%	%
SV-8S	5.00	11/27/12	427	0.1	1.7	20.0
		01/08/13	1,833	0.8	2.2	18.7
		02/07/13	NA	0.1	2.0	19.2
		03/08/13	NA	0.0	2.4	18.8
		04/08/13	465	0.0	2.4	17.7
		05/08/13	473	0.0	4.1	15.7
		06/13/13	360	0.0	5.7	13.7
		07/08/13	349	0.0	5.8	13.4
		08/14/13	427	0.1	5.4	15.6
		09/11/13	423	0.2	4.1	15.1
SV-8I	17.00	11/27/12	>9,999	0.0	2.5	18.8
		01/08/13	2222	1.3	2.8	18.3
		02/07/13	NM	0.2	2.2	18.6
		03/08/13	NM	0.1	2.4	17.9
		04/08/13	4,098	0.2	1.8	17.6
		05/08/13	1,720	0.2	3.9	13.3
		06/13/13	248	0.2	1.8	16.5
		07/08/13	305	0.2	2.3	15.9
		08/14/13	165	0.3	2.1	15.6
		09/11/13	3,056	0.2	1.2	11.2
SV-18S	5.00	11/27/12	22.3	0.0	2.5	19.2
		01/08/13	51.1	0.4	0.0	21.5
		02/07/13	NM	0.0	2.3	18.6
		03/08/13	NM	0.0	4.1	16.9
		04/08/13	2.1	0.0	2.5	18.1
		05/08/13	14.9	0.0	4.9	15.9
		06/13/13	20.7	0.0	4.7	16.2
		08/14/13	26.1	0.1	3.0	18.2
		09/11/13	84.5	0.1	2.9	16.5
SV-19S	5.00	11/27/12	2.25	0.0	10.8	11.5
		01/08/13	4.50	0.6	9.1	13.3
		02/07/13	NM	0.0	8.6	13.9
		03/08/13	NM	0.0	8.3	13.5
		04/08/13	1.2	0.0	8.3	13.7
		05/08/13	0.9	0.0	9.1	13.0
		06/13/13	6.2	0.0	9.7	11.7
		08/15/13	4.4	0.0	9.2	12.1
		09/11/13	22.9	0.0	10.1	9.3
SV-20S	5.00	11/27/12	75.5	0.0	6.3	16.1
		01/08/13	15.0	1.3	5.0	16.9
		02/07/13	NM	0.1	6.4	15.5
		03/08/13	NM	0.0	5.0	16.0
		04/08/13	47.4	0.0	5.2	15.3
		05/08/13	62.5	0.0	6.3	14.6
		06/13/13	64.0	0.0	7.7	13.1
		08/15/13	61.8	0.0	6.8	13.6
		09/11/13	60.4	0.1	5.1	15.3

Table 1: Soil Vapor Point and Indoor/Outdoor Air Field Measurements **ADT 1**

DSCA ID No.: 32-0013

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	Methane	Carbon Dioxide	Oxygen
			ppm	%	%	%
SV-20D	20.00	01/08/13	11.10	0.4	7.6	15.2
		02/07/13	NM	0.1	6.7	15.6
		03/08/13	NM	0.0	6.8	14.9
		04/08/13	46.8	0.0	6.7	15.2
		05/08/13	61.4	0.0	5.8	15.1
		06/13/13	58.9	0.0	7.1	13.5
		08/15/13	60.1	0.0	6.6	14.1
		09/11/13	93.1	0.1	7.6	12.5
SV-29S	5.00	11/27/12	344	0.0	1.9	19.9
		01/08/13	96.3	0.3	2.0	19.8
		02/07/13	NM	0.1	2.3	18.6
		03/08/13	NM	0.0	2.8	17.6
		04/08/13	235	0.0	2.6	17.2
		05/08/13	151	0.0	3.3	16.7
		06/13/13	197	0.0	3.6	16.2
		08/14/13	317	0.1	3.4	17.7
		09/11/13	268	0.1	2.2	17.6
SV-55S	5.00	11/27/12	430	0.2	0.2	21.1
		01/08/13	295	4.1	3.0	14.7
		02/07/13	NM	2.1	2.8	14.6
		03/08/13	NM	1.8	3.1	14.0
		04/08/13	311	1.4	3.0	14.3
		05/08/13	290	1.1	3.9	13.3
		06/13/13	295	0.8	4.5	11.8
		07/08/13	258	0.7	4.9	11.1
		08/14/13	133	0.2	1.8	17.8
		09/11/13	229	0.9	5.5	10.6
SV-55I	17.00	11/27/12	12	4.1	0.6	12.4
		01/08/13	442	3.6	2.0	12.1
		02/07/13	NM	1.4	2.9	14.8
		03/08/13	NM	1.6	3.5	14.6
		04/08/13	NM*			
		05/08/13	NM	1.6	2.7	10.7
		06/13/13	86.5	1.5	1.6	11.0
		07/08/13	NM	1.5	2.1	10.6
		08/14/13	26.7	0.3	0.2	16.5
		09/11/13	31.3	0.3	1.9	15.4
Vent Exhaust Pipe		11/27/12	38.0	12.5	11.1	9.7
		01/08/13	173	11.0	9.3	10.6
		02/07/13	NM	17.3	15.9	1.5
		03/08/13	NM	16.4	15.0	1.7
		04/08/13	6.5	12.6	11.7	4.9
		05/08/13	10.8	15.0	14.4	1.9
		06/13/13	9.6	14.9	13.4	0.7
		07/08/13	9.6	14.5	13.0	0.8
		08/14/13	17.7	15.2	14.5	1.7
		09/11/13	14.7	15.7	13.4	1.5

Table 1: Soil Vapor Point and Indoor/Outdoor Air Field Measurements **ADT 1**

DSCA ID No.: 32-0013

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	Methane	Carbon Dioxide	Oxygen
			ppm	%	%	%
SSD System Triangle Family Church 1414 Watts Street		11/27/12	2.4	0.1	0.0	21.0
		01/08/13	159	1.0	0.0	21.1
		02/07/13	NM	0.2	0.0	21.4
		03/08/13	NM	0.0	0.0	20.8
		04/08/13	0.0	0.0	0.0	20.8
		05/08/13	0.0	0.0	0.0	20.6
		06/13/13	0.0	0.0	0.0	20.4
		07/08/13	0.0	0.0	0.0	20.5
		08/14/13	4.4	0.1	0.0	20.5
		09/18/13	0.5	0.1	0.0	20.2
Indoor Air Triangle Family Church 1414 Watts Street		11/27/12	0.0	0.0	0.0	21.0
		01/08/13	0.0	0.0	0.0	20.9
		02/07/13	NM	0.0	0.0	20.8
		03/08/13	NM	0.0	0.0	21.0
		04/08/13	0.0	0.0	0.0	20.9
		05/08/13	0.0	0.0	0.0	20.5
		06/13/13	0.0	0.0	0.0	20.5
		07/08/13	0.0	0.0	0.0	20.5
		08/14/13	0.0	0.1	0.0	20.6
		09/18/13	0.0	0.0	0.0	20.3
Ambient, Outdoor Air (near excavation area on subject site)		11/27/12	0.0	0.0	0.0	20.9
		01/08/13	0.0	0.0	0.0	20.9
		02/07/13	NM	0.0	0.0	21.5
		03/08/13	NM	0.0	0.0	20.9
		04/08/13	0.0	0.0	0.0	20.9
		05/08/13	0.0	0.0	0.0	20.4
		06/13/13	0.0	0.0	0.0	20.4
		07/08/13	0.0	0.0	0.0	20.4
		08/14/13	0.0	0.0	0.0	20.6
		09/11/13	0.0	0.0	0.0	20.3

Notes:
* = Water was present in soil vapor point SV-55I - little to no air flow
1. VOC concentrations measured using a photoionization detector (PID)
2. Methane, carbon dioxide, and oxygen concentrations measured using GEM 2000 multi-gas meter.
3. NM denotes not measured; NA denotes not available.

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-1R	05/30/07	374.67	20.27	354.40			
	01/09/08		26.63	348.04			
	02/24/09		24.85	349.82			
	05/15/09		22.51	352.16			
	08/04/09		23.86	350.81			
	11/25/09		26.96	347.71			
	05/17/12		24.25	350.42			
MW-1I	11/09/09	374.70	25.77	348.93			
	11/25/09		25.53	349.17			
	05/17/12		23.74	350.96			
MW-1D	01/08/08	374.69	24.17	350.52			
	02/24/09		23.69	351.00			
	05/15/09		23.55	351.14			
	08/04/09		23.64	351.05			
	11/25/09		23.99	350.70			
	05/17/12		23.88	350.81			
MW-2R	05/30/07	373.23	15.69	357.54			
	01/09/08		18.65	354.58			
	02/24/09		18.50	354.73			
	05/15/09		16.98	356.25			
	08/04/09		17.14	356.09			
	11/25/09		18.11	355.12			
	05/17/12		18.44	354.79			
MW-3R	05/31/07	373.44	17.78	355.66			
	01/09/08		20.47	352.97			
	02/24/09		20.52	352.92			
	05/15/09		19.07	354.37			
	08/04/09		19.37	354.07			
	11/25/09		19.45	353.99			
	05/17/12		20.27	353.17			
	08/19/13		18.74	354.70			

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-3I	11/09/09	373.08	20.65	352.43			
	11/25/09		19.98	353.10			
	05/17/12		20.54	352.54			
	01/23/13		22.00	351.08			
	08/19/13		18.70	354.38			
MW-4R	05/31/07	375.20	20.79	354.41			
	01/09/08		27.27	347.93			
	02/24/09		25.40	349.80			
	05/15/09		23.26	351.94			
	08/04/09		24.55	350.65			
	11/25/09		27.56	347.64			
	01/03/13		28.45	346.75			
	08/19/13		24.15	351.05			
MW-4I	11/09/09	375.13	26.46	348.67			
	11/25/09		25.94	349.19			
	01/03/13		27.47	347.66			
	01/23/13		25.86	349.27			
	08/19/13		23.80	351.33			
MW-5R	05/31/07	373.90	17.00	356.90			
	01/09/08		19.83	354.07			
	02/24/09		19.86	354.04			
	05/15/09		18.24	355.66			
	08/04/09		18.57	355.33			
	11/25/09		18.97	354.93			
MW-5D	01/09/08	373.90	20.41	353.49			
	02/24/09		20.21	353.69			
	05/15/09		18.80	355.10			
	08/04/09		19.02	354.88			
	11/25/09		19.95	353.95			

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-6	01/09/08	375.06	19.80	355.26			
	02/24/09		19.25	355.81			
	05/15/09		17.70	357.36			
	08/04/09		18.77	356.29			
	11/25/09		19.60	355.46			
	01/23/13		21.57	353.49			
	08/19/13		18.16	356.90			
MW-7	01/16/08	380.48	31.81	348.67			
	02/24/09		30.02	350.46			
	05/15/09		28.29	352.19			
	08/04/09		29.30	351.18			
	11/25/09		31.59	348.89			
	08/19/13		29.00	351.48			
MW-8	01/09/08	383.64	32.60	351.04			
	02/24/09		33.20	350.44			
	05/15/09		29.89	353.75			
	08/04/09		29.89	353.75			
	11/25/09		32.48	351.16			
	08/19/13		27.71	355.93			
MW-9	01/09/08	396.23	27.48	368.75			
	02/24/09		28.01	368.22			
	05/15/09		24.77	371.46			
	08/04/09		17.23	379.00			
	11/25/09		26.87	369.36			
	08/19/13		25.20	371.03			
MW-10	09/03/08	372.13	15.24	356.89			
	02/24/09		15.60	356.53			
	05/15/09		14.14	357.99			
	08/04/09		14.14	357.99			
	11/25/09		14.92	357.21			
	05/17/12		15.60	356.53			
	01/23/13		17.25	354.88			
	08/19/13		13.55	358.58			

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-11	09/03/08	369.76	19.96	349.80			
	02/24/09		19.71	350.05			
	05/15/09		18.70	351.06			
	08/04/09		19.88	349.88			
	11/25/09		19.27	350.49			
	01/23/13		21.17	348.59			
	08/19/13		18.35	351.41			
MW-12	09/03/08	370.52	20.88	349.64			
	02/24/09		20.12	350.40			
	05/15/09		18.79	351.73			
	08/04/09		19.75	350.77			
	11/25/09		20.85	349.67			
	01/23/13		21.96	348.56			
	08/19/13		19.14	351.38			
MW-13	09/03/08	366.31	17.37	348.94			
	02/24/09		16.84	349.47			
	05/15/09		15.66	350.65			
	08/04/09		16.21	350.10			
	11/25/09		17.03	349.28			
	08/19/13		15.67	350.64			
MW-14S	11/09/09	381.33	38.08	343.25			
	05/17/12		31.49	349.84			
	01/03/13		34.72	346.61			
	08/19/13		30.40	350.93			
MW-14I	11/09/09	381.35	37.07	344.28			
	05/17/12		31.48	349.87			
	01/03/13		33.73	347.62			
	08/19/13		30.22	351.13			
MW-15S	11/09/09	375.43	28.48	346.95			
	08/19/13		24.78	350.65			
MW-15I	11/09/09	375.55	25.87	349.68			
	01/23/13		28.68	346.87			
	08/19/13		22.81	352.74			

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-16S	05/17/12	382.41	34.46	347.95			
	01/03/13		35.81	346.60			
	08/19/13		31.63	350.78			
MW-16I	11/10/09	382.48	35.15	347.33			
	05/17/12		35.15	347.33			
	01/03/13		35.78	346.70			
	01/23/13		35.10	347.38			
	08/19/13		31.59	350.89			
MW-17S	11/25/09	384.02	36.33	347.69			
	08/19/13		33.54	350.48			
MW-17I	11/25/09	384.06	35.76	348.30			
	08/19/13		32.98	351.08			
MW-18	11/25/09	376.13	28.83	347.30			
	05/17/12		26.32	349.81			
	08/19/13		26.40	349.73			
MW-19	11/25/09	374.47	19.45	355.02			
	01/23/13		20.96	353.51			
	08/19/13		16.56	357.91			
MW-20S	01/24/10	379.33	22.47	356.86			
MW-20I	01/24/10	379.40	23.14	356.26			
MW-21	08/19/13	372.97	16.13	356.84			
MW-22S	01/03/13	373.03	23.93	349.10			
	01/23/13		22.35	350.68			
	08/19/13		20.79	352.24			
MW-22I	01/03/13	373.33	22.70	350.63			
	01/23/13		22.72	350.61			
	08/19/13		19.05	354.28			
MW-23S	08/19/13	374.92	23.50	351.42			
MW-23I	08/19/13	374.83	22.90	351.93			

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
Permanent Monitoring Wells																					
DW-1	11/19/93	N/A	N/A	N/A	N/A	N/A	**0.68**	N/A	N/A	**0.0044**	N/A	N/A	BDL	N/A	**0.0027**	**0.039**	N/A	N/A	**0.0034**	N/A	N/A
RW-1	11/19/93	N/A	N/A	N/A	N/A	N/A	**0.51**	N/A	N/A	**0.0022**	N/A	N/A	BDL	N/A	BDL	0.0009	N/A	N/A	**0.0016**	N/A	N/A
MW-1	10/14/93	N/A	N/A	N/A	N/A	N/A	**5.5**	N/A	N/A	**0.010**	N/A	N/A	**0.0026**	N/A	BDL	**0.083**	N/A	N/A	**0.0053**	N/A	N/A
MW-1R	05/30/07	<0.25	<0.25	<0.25	<0.25	<1.2	**42**	<1.2	<0.25	<0.25	<0.25	<0.75	<0.25	<0.25	<0.25	<0.25	<0.25	<12	<1.2	<2.5	<0.25
	01/09/08	<0.001	0.0049	<0.001	<0.001	<0.005	**130**	0.0054	<0.001	**0.044**	<0.001	0.0036	<0.001	<0.001	<0.001	<0.001	0.0015	0.076	**0.0092**	<0.01	<0.001
	02/24/09	<1.0	<1.0	<1.0	<1.0	<5.0	**110**	<5.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<5.0	<10	<1.0
	05/15/09	<0.5	<0.5	<0.5	<0.5	<2.5	**96**	<2.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<2.5	<5.0	<0.50
	08/04/09	<0.001	0.0044	0.0012	<0.001	**0.0051**	**69**	0.0046	<0.001	**0.0173**	<0.001	0.0024	<0.001	<0.001	**0.0020**	**0.0163**	<0.001	<0.025	**0.0066**	<0.005	<0.001
	05/17/12	<0.05	<0.05	<0.05	<0.05	<0.25	**18**	<0.25	<0.05	<0.05	<0.05	<0.15	<0.050	<0.050	<0.050	<0.050	<0.050	<0.05	<0.25	<0.01	<0.05
MW-1I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	**0.224**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.035**	<0.005	<0.001	**0.0011**	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
MW-1D	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.005	**0.0019**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.038**	<0.01	**0.0058**
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.017**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.022**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0013**	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
MW-2	10/14/93	N/A	N/A	N/A	N/A	N/A	**0.63**	N/A	N/A	**0.0013**	N/A	N/A	BDL	N/A	BDL	BDL	N/A	N/A	**0.0010**	N/A	N/A
	07/01/04	N/A	N/A	N/A	N/A	N/A	**0.022**	N/A	N/A	BDL	N/A	N/A	BDL	N/A	BDL	BDL	N/A	N/A	BDL	N/A	N/A
MW-2R	05/30/07	<0.001	<0.001	<0.001	<0.001	<0.005	**0.005**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/09/08	<0.001	<0.001	<0.001	<0.001	<0.005	**0.0034**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.011**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
MW-3	10/14/93	N/A	N/A	N/A	N/A	N/A	**0.095**	N/A	N/A	BDL	N/A	N/A	BDL	N/A	BDL	BDL	N/A	N/A	BDL	N/A	N/A
MW-3R	05/31/07	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.005	**0.063**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.019**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.018**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0166**	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.019**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00762**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
MW-3I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	**0.1761**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/18/12	<0.001	0.0019	<0.001	0.0018	<0.005	**0.093**	<0.005	<0.001	**0.0012**	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/20/13	<0.001	0.00428	<0.001	<0.001	<0.005	**0.179**	<0.001	<0.001	**0.00233**	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.050	<0.001
MW-4	11/19/93	N/A	N/A	N/A	N/A	N/A	**0.30**	N/A	N/A	**0.0012**	N/A	N/A	BDL	N/A	BDL	BDL	N/A	N/A	BDL	N/A	N/A
MW-4R	05/31/07	<0.001	<0.001	<0.001	<0.001	<0.005	**0.51**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.005	**0.31**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.25**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.19**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	**0.203**	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	05/17/12	<0.005	<0.005	<0.005	<0.005	<0.025	**0.73**	<0.025	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.025	<0.01	<0.005
	01/03/13	<0.01	<0.01	<0.01	<0.01	<0.01	**0.20**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.10	<0.01
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.880**	<0.001	<0.001	**0.00118**	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001
MW-4I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0492**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.020**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.018**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.0342**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.005	<0.001	<0.050	<0.001
MW-5R	05/31/07	<0.25	<0.050	<0.050	<0.050	<0.25	**8.0**	<0.25	<0.050	<0.050	<0.050	<0.15	<0.050	<0.050	<0.050	<0.050	<0.050	<2.5	<0.25	<0.50	<0.050
	01/08/08	<0.001	0.019	<0.001	<0.001	<0.005	**64**	<0.005	0.0010	**0.060**	<0.001	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.0085**	<0.01	<0.001
	02/24/09	<0.5	<0.5	<0.5	<0.5	<2.5	**78**	<2.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<2.5	<5.0	<0.50
	09/16/09	<0.1	<0.1	<0.1	NA	NA	**42**	<0.1	<0.1	**0.031J**	<0.1	<0.1	NA	NA	NA	NA	<0.1	NA	NA	NA	NA
	05/18/12	<0.25	<0.25	<0.25	<0.25	<1.2	**44**	<1.2	<0.25	<0.25	<0.25	<0.75	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<1.2	<0.01	<0.25
MW-5D	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.005	**0.17**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.0074**	<0.01	<0.001
	09/16/09	<0.001	<0.001	<0.001	NA	NA	**0.0773**	<0.001	<0.001	0.00026J	<0.001	<0.003	NA	NA	NA	NA	<0.001	NA	NA	NA	NA
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.066**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	NA
MW-6	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.005	**0.018**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
MW-7	01/16/08	**0.0049**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	02/24/09	**0.0046**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	**0.0069**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-8	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-9	01/09/08	**0.0019**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/22/13	**0.00535**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-10	09/03/08	**0.0064**	<0.005	**0.22**	<0.005	**0.036**	<0.005	<0.025	<0.005	<0.005	<0.005	**0.20**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.025	<0.05	<0.005
	02/24/09	**0.11**	0.010	**0.059**	**0.26**	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	0.063	<0.01	<0.01	<0.01	<0.01	<0.01	<0.50	<0.05	<0.10	<0.01
	05/15/09	**0.049**	<0.001	**0.17**	**0.22**	**0.019**	<0.001	0.013	<0.001	<0.001	<0.001	**0.10**	<0.001	<0.001	<0.001	<0.001	<0.001	0.21	<0.005	<0.01	<0.001
	08/04/09	**0.0120**	<0.002	**0.282**	**0.0234**	**0.0743**	<0.002	0.0102	<0.002	<0.002	<0.002	**0.264**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.050	<0.002	0.141	<0.002
	05/17/12	**0.0026**	<0.001	**0.021**	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	0.022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	NA
	08/21/13	<0.001	<0.001	**0.0328**	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.00904	<0.001	<0.001	<0.001	<0.001	<0.001	0.00524	<0.001	<0.05	<0.001
MW-11	09/03/08	<0.001	**0.83**	<0.001	**0.023**	<0.005	**0.047**	<0.005	0.0093	**0.16**	**0.020**	<0.003	<0.001	<0.001	<0.001	<0.001	0.0026	<0.05	<0.005	<0.01	<0.001
	02/24/09	<0.001	**0.38**	<0.001	0.012	<0.005	**0.051**	<0.005	0.0058	**0.15**	**0.010**	<0.003	<0.001	<0.001	<0.001	<0.001	0.0010	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	**0.67**	<0.001	0.017	<0.005	**0.052**	<0.005	0.0085	**0.17**	**0.0078**	<0.003	<0.001	<0.001	<0.001	<0.001	0.0012	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	**0.739**	<0.001	0.0185	<0.001	**0.0587**	<0.001	0.0090	**0.224**	**0.0113**	<0.003	<0.001	<0.001	<0.001	<0.001	0.0012	<0.025	<0.001	<0.005	<0.001
	08/20/13	<0.001	**0.623**	<0.001	0.0170	<0.005	**0.0578**	<0.001	0.0108	**0.182**	**0.0152**	<0.002	<0.001	<0.001	<0.001	<0.001	0.00208	<0.005	<0.001	<0.050	<0.001
MW-12	09/03/08	**0.0031**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	**0.0011**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	08/20/13	**0.00103**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001
MW-13	09/03/08	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/04/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.005	<0.001
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
MW-14S	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.023**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.112**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-14I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.0015**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00108**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-15S	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	**7.05**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.005	**15**	<0.001	<0.001	**0.00606**	<0.001	<0.002	<0.001	<0.001	<0.001	**0.00471**	<0.001	<0.005	<0.001	<0.050	<0.001
MW-15I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	**0.00835**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00342**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001
MW-16S	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0706**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	**0.083**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.096**	<0.005	<0.001	<0.001	<0.001	<0.003	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.05	<0.005	<0.01	<0.001
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.103**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-16I	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	NA
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.05	<0.005	<0.01	<0.001
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-17S	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.017**	<0.01	<0.001
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00271**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-17I	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.017**	<0.01	**0.0018**
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00177**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-18	11/25/09	<0.025	<0.025	<0.025	<0.025	<0.12	**0.72**	<0.12	<0.025	<0.025	<0.025	<0.075	<0.025	<0.025	<0.025	<0.025	<0.025	<1.2	<0.12	<0.25	<0.025
	05/18/12	<0.01	<0.01	<0.01	<0.01	<0.05	**0.79**	<0.05	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.10	<0.01
	08/19/13	<0.001	0.00296	<0.001	<0.001	<0.005	**1.1**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001
MW-19	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.050	<0.001
MW-20S	01/25/10	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.005	<0.01	<0.001
MW-20I	01/25/10	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	**0.0052**	<0.01	<0.001

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
MW-21	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00114**	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	**0.00108**	<0.050	<0.001
MW-22S	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	0.077	<0.001	<0.001	**0.0065**	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	0.54	<0.005	**5.7**	<0.001
	01/09/13	<0.05	0.056	<0.05	<0.05	<0.05	**0.37**	0.34	<0.05	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.05	<2.5	<0.05	**6.9**	<0.05
	08/21/13	<0.001	0.00197	0.00209	<0.001	<0.005	<0.001	0.00197	<0.001	**0.00147**	**0.0239**	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.05	<0.001
MW-22I	01/03/13	<0.1	**2.8**	<0.1	<0.1	<0.1	**67**	<0.5	<0.1	**1.4**	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<0.1	1.3	<0.1
	01/11/13	<0.5	**4.1**	<0.5	<0.5	<0.5	**70**	<2.5	<0.5	**1.6**	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<0.5	<5.0	<0.5
	08/21/13	<0.001	**1.26**	< 0.001	<0.001	<0.005	**57.7**	0.00895	<0.05	**1.04**	**0.0596**	<0.002	<0.001	<0.001	<0.001	**0.0290**	**0.0138**	0.0558	**0.00852**	<0.05	<0.001
MW-23S	08/19/13	<0.001	0.00395	0.00133	<0.001	**0.00592**	**80.9**	0.00432	<0.001	**0.0101**	<0.001	0.00488	<0.001	<0.001	**0.00542**	**0.0545**	<0.001	0.0787	**0.0149**	<0.050	<0.001
MW-23I	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.005	**1.76**	<0.001	<0.001	**0.00140**	<0.001	<0.002	<0.001	<0.001	<0.001	**0.00461**	<0.001	<0.005	**0.00147**	<0.050	<0.001
Temporary Monitoring Wells																					
GP-1	09/17/09	<0.1	<0.1	<0.1	NA	NA	**5.3**	<0.1	<0.1	<0.1	<0.1	<0.3	NA	NA	NA	NA	<0.1	NA	NA	NA	NA
GP-2	09/16/09	<0.5	<0.5	<0.5	NA	NA	**20**	<0.5	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA
GP-3	09/16/09	<0.2	<0.2	<0.2	NA	NA	**14**	<0.2	<0.2	<0.2	<0.2	<0.6	NA	NA	NA	NA	<0.2	NA	NA	NA	NA
GP-4	09/16/09	<1	<1	<1	NA	NA	**40**	<1	<1	<1	<1	<3	NA	NA	NA	NA	<1	NA	NA	NA	NA
GP-5	09/16/09	<0.2	<0.2	<0.2	NA	NA	**7.4**	<0.2	<0.2	<0.2	<0.2	<0.6	NA	NA	NA	NA	<0.2	NA	NA	NA	NA
GP-6	09/16/09	<2	<2	<2	NA	NA	**120**	<2	<2	<2	<2	<6	NA	NA	NA	NA	<2.0	NA	NA	NA	NA
GP-7	09/17/09	<0.5	<0.5	<0.5	NA	NA	**15**	<0.5	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA
GP-8	09/16/09	<0.02	<0.02	<0.02	NA	NA	**4.0**	<0.02	<0.02	<0.02	<0.02	<0.06	NA	NA	NA	NA	<0.02	NA	NA	NA	NA
GP-9	09/17/09	<0.01	<0.01	<0.01	NA	NA	**0.092**	<0.01	<0.01	<0.01	<0.01	<0.03	NA	NA	NA	NA	<0.01	NA	NA	NA	NA
GP-10	09/16/09	<0.02	<0.02	<0.02	NA	NA	**0.58**	<0.02	<0.02	<0.02	<0.02	<0.06	NA	NA	NA	NA	<0.02	NA	NA	NA	NA
GP-12	09/17/09	<0.001	<0.001	<0.001	NA	NA	**0.0011**	<0.001	<0.001	<0.001	<0.001	<0.003	NA	NA	NA	NA	<0.001	NA	NA	NA	NA
GP-13	09/18/09	<0.05	<0.05	<0.05	NA	NA	**1.6**	<0.05	<0.05	<0.05	<0.05	<0.15	NA	NA	NA	NA	<0.05	NA	NA	NA	NA
GP-14	09/17/09	<0.001	0.00040J	<0.001	NA	NA	**0.0029**	<0.001	<0.001	0.00026J	<0.001	<0.003	NA	NA	NA	NA	<0.001	NA	NA	NA	NA
GP-15	09/18/09	<0.001	0.0048	<0.001	NA	NA	**0.0024**	<0.001	<0.001	**0.0021**	<0.001	<0.003	NA	NA	NA	NA	<0.001	NA	NA	NA	NA
GW-1 26-30'	09/06/13	<0.001	0.00157	<0.001	<0.001	<0.005	**10.9**	<0.001	<0.001	**0.00570**	<0.001	<0.002	**0.00118**	0.00615	<0.001	**0.00570**	0.00142	<0.005	**0.00219**	<0.05	<0.001
GW-1 33-37'	09/06/13	<0.005	<0.005	<0.005	<0.005	<0.025	**7.05**	<0.005	<0.005	**0.00582**	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.25	<0.005
GW-2 29.5-33.5'	09/06/13	<0.001	**0.735**	0.00165	<0.001	<0.005	**0.946**	0.0496	0.00112	**0.0336**	**0.243**	<0.002	<0.001	<0.001	<0.001	**0.00208**	0.00166	1.32	<0.001	3.45	<0.001
GW-3 26-30'	09/06/13	<0.001	0.0129	<0.001	<0.001	<0.005	**23.7**	0.00155	<0.001	**0.0205**	<0.001	<0.002	<0.001	<0.001	**0.00220**	**0.0188**	0.00266	0.0481	**0.00701**	<0.050	<0.001
GW-3 40-45'	09/06/13	<0.001	0.0130	<0.001	<0.001	<0.005	**12.9**	0.00128	<0.001	**0.0163**	<0.001	<0.002	<0.001	<0.001	**0.00250**	**0.0185**	0.00214	0.0435	**0.00636**	<0.050	<0.001

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethylene	Acetone	Chloroform	2-Butanone (MEK)	Bromodichloromethane
		[mg/L]																			
Tier 1 RBSL (or NC 2L Standard)		0.001	0.07	0.003	0.02	0.004	0.0007	0.6	0.076	0.001	0.00003	0.094	0.0004	0.20	0.0002	0.0012	0.007	6.0	0.00073	4.0	0.0006

Notes:
1. **Bold** concentration exceeds DSCA Program Tier 1 RBSL (or NC 2L Standard, if no RBSL established).
2. J flag denotes estimated concentration between laboratory reporting limit and method detection limit.
3. NA = Not Analyzed; N/A = Not Available; BDL = Below Detection Limit (detection limits not available); NE = Not Established

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
Permanent Monitoring Wells																					
DW-1	11/19/93	BDL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	BDL	
RW-1	11/19/93	BDL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	BDL	
MW-1	10/14/93	0.016	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.0084**	**0.011**	0.0030	
MW-1R	05/30/07	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
	01/09/08	0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.081**	0.013	0.0019	<0.001	<0.001	<0.001	<0.001	0.0032	<0.0025	<0.005	<0.005	
	02/24/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<5.0	<5.0	
	05/15/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.2	<2.5	<2.5	
	08/04/09	0.0032	NA	NA	NA	<0.001	NA	NA	<0.001	**0.0958**	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	05/17/12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
MW-1I	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
MW-1D	01/08/08	0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-2	10/14/93	0.0080	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	0.0062	
	07/01/04	BDL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	BDL	
MW-2R	05/30/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/09/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
MW-3	10/14/93	BDL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	BDL	
MW-3R	05/31/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
MW-3I	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-4	11/19/93	BDL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BDL	BDL	BDL	
MW-4R	05/31/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	0.0024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	05/17/12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	01/03/13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-4I	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/17/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-5R	05/31/07	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
	01/08/08	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.040**	<0.01	**0.0053**	0.0014	<0.001	<0.001	<0.001	0.0034	<0.0025	<0.005	<0.005	
	02/24/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.2	<2.5	<2.5	
	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/18/12	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
MW-5D	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
MW-6	01/08/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
MW-7	01/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-9	01/09/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-10	09/03/08	<0.005	0.0066	0.014	<0.005	<0.005	0.062	**0.12**	<0.005	<0.005	<0.05	**0.25**	0.097	<0.005	<0.005	<0.005	0.046	<0.012	<0.025	<0.025	
	02/24/09	<0.01	<0.01	0.010	<0.01	<0.01	0.029	0.032	<0.01	<0.01	<0.10	**0.035**	0.014	<0.01	<0.01	<0.01	<0.01	<0.025	<0.05	<0.05	
	05/15/09	<0.001	0.0077	0.014	0.0015	0.0036	0.034	0.065	0.0033	<0.001	<0.01	**0.063**	0.021	<0.001	<0.001	<0.001	0.019	<0.0025	<0.005	<0.005	
	08/04/09	<0.002	NA	NA	NA	<0.002	NA	NA	<0.002	<0.002	<0.01	NA	NA	<0.002	<0.002	<0.002	NA	<0.002	<0.002	<0.002	
	05/17/12	<0.001	<0.001	0.013	0.0014	<0.001	0.016	0.025	<0.001	<0.001	<0.01	0.0023	0.0017	<0.001	<0.001	<0.001	0.0045	<0.001	<0.001	<0.001	
	08/21/13	<0.001	0.00141	0.00777	<0.001	<0.002	0.00867	0.0186	<0.001	<0.001	<0.005	**0.00573**	0.00517	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-11	09/03/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	0.00235	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-12	09/03/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-13	09/03/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	02/24/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	05/15/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/04/09	<0.001	NA	NA	NA	<0.001	NA	NA	<0.001	<0.001	<0.005	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
MW-14S	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-14I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/22/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-15S	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00799**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-15I	11/09/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-16S	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-16I	11/10/09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	<0.01	<0.01	
	05/18/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-17S	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-17I	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-18	11/25/09	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.062	<0.12	<0.12	
	05/18/12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-19	11/25/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-20S	01/28/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	
MW-20I	01/28/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0025	<0.005	<0.005	

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
MW-21	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-22S	01/03/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	01/09/13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	08/21/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-22I	01/03/13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	01/11/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/21/13	0.00558	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	**0.0742**	0.0124	0.00357	0.00110	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-23S	08/19/13	0.00353	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.142**	0.00650	0.00197	0.00100	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
MW-23I	08/19/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00730**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
Temporary Monitoring Wells																					
GP-1	09/18/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-2	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-3	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-4	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-5	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-6	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-7	09/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-8	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-9	09/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-10	09/16/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-12	09/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-13	09/18/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-14	09/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GP-15	09/18/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GW-1 26-30'	09/06/13	0.00156	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	**0.0143**	<0.005	<0.001	<0.001	0.00414	0.00118	<0.001	NA	<0.001	<0.001	<0.001	
GW-1 33-37'	09/06/13	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	**0.0135**	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	
GW-2 29.5-33.5'	09/06/13	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.00112	<0.001	<0.001	NA	<0.001	<0.001	<0.001	
GW-3 26-30'	09/06/13	0.00133	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	**0.0248**	0.00654	0.00162	<0.001	0.00102	<0.001	0.00111	NA	<0.001	<0.001	<0.001	
GW-3 40-45'	09/06/13	0.00114	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	**0.0227**	0.00650	0.00138	<0.001	<0.001	<0.001	0.00103	NA	<0.001	<0.001	<0.001	

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: 32-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Chlorobenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Diisopropyl ether	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	1,1,1,2-Tetrachloroethane	4-Methyl-2pentanone (MIBK)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloropropane	1,2,3-Trimethylbenzene	Chloromethane	Dichlorodifluoromethane	Trichlorofluoromethane	
		[mg/L]																			
Tier 1 RBSL (or NC 2L Standard)		0.050	0.070	0.070	0.070	0.070	0.070	0.070	0.025	0.0032	0.10	0.0058	0.4	0.02	0.0022	0.0022	NE	0.0030	0.0014	2.0	

Notes:
1. **Bold** concentration exceeds DSCA Program Tier 1 RBSL (or NC 2L Standard, if no RBSL established).
2. J flag denotes estimated concentration between laboratory reporting limit and method detection limit.
3. NA = Not Analyzed; N/A = Not Available; BDL = Below Detection Limit (detection limits not available); NE = Not Established

Table 12: Analytical Data for Natural Attenuation Parameters **ADT 12**

DSCA ID No.: 32-0013

Sample ID	Sampling Date (mm/dd/yy)	Dissolved oxygen (DO)	Nitrate	Sulfate	Major Cations	Methane	Ferrous Iron	Oxidation reduction potential (ORP)	Alkalinity	Chloride (optional)	Conductivity	pH	Temperature	Total organic carbon (TOC)	Ethane	Ethene
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L	mg/L	µs/cm^2	std unit	° C	mg/L	mg/L	mg/L
MW-1R	08/05/11	6.95	1.1	2.3	NA	0.00073	20	43.3	NA	80	52	5.56	21.1	NA	<0.001	<0.0023
	05/17/12	NA	NA	NA	NA	0.014	NA	NA	NA	7.3	NA	NA	NA	NA	<0.013	<0.013
MW-1I	08/05/11	2.71	1.3	3.4	NA	<0.00072	5	54.2	NA	20	76	5.80	21.5	NA	<0.001	<0.0023
	05/17/12	NA	NA	NA	NA	0.016	NA	NA	NA	3.5	NA	NA	NA	NA	<0.013	<0.013
MW-2R	05/17/12	NA	NA	NA	NA	<0.010	NA	NA	NA	6.5	NA	NA	NA	NA	<0.013	<0.013
MW-3R	08/05/11	6.57	4.7	2.3	NA	<0.00072	10	44.87	NA	0	125	5.42	20.36	NA	<0.001	<0.0023
	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	14	NA	NA	NA	NA	<0.013	<0.013
	08/20/13	2.75	NA	NA	NA	<0.005	NA	196.2	NA	NA	127	5.52	21.07	2.76	<0.005	<0.005
MW-3I	08/05/11	3.02	2.5	20	NA	<0.00072	0	65.90	NA	0	413	5.94	20.79	NA	<0.001	<0.0023
	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	8.8	NA	NA	NA	NA	<0.013	<0.013
	08/20/13	1.14	NA	NA	NA	<0.005	NA	-38.8	NA	NA	410	6.72	21.38	1.16	<0.005	<0.005
MW-4R	05/17/12	NA	NA	NA	NA	0.011	NA	NA	NA	6	NA	NA	NA	NA	<0.013	<0.013
	08/20/13	0.93	NA	NA	NA	<0.005	NA	157.9	NA	NA	88	5.59	20.46	<1.0	<0.005	<0.005
MW-4I	05/17/12	NA	NA	NA	NA	<0.010	NA	NA	NA	2.2	NA	NA	NA	NA	<0.013	<0.013
	08/20/13	4.85	NA	NA	NA	<0.005	NA	171.9	NA	NA	55	5.98	21.74	<1.0	<0.005	<0.005
MW-5R	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	13	NA	NA	NA	NA	<0.013	<0.013
	08/05/11	5.99	2	2.4	NA	<0.00072	5	42.27	NA	15	103	5.93	21.29	NA	<0.001	<0.0023
MW-5D	05/18/12	NA	NA	NA	NA	0.011	NA	NA	NA	17	NA	NA	NA	NA	<0.013	<0.013
	08/05/11	1.72	2.7	49	NA	<0.00072	0	47.15	NA	10	614	6.67	21.76	NA	<0.001	<0.0023
MW-6	08/19/13	1.11	NA	NA	NA	NA	NA	154.4	NA	NA	210	5.58	21.11	NA	NA	NA
MW-7	08/22/13	1.55	NA	NA	NA	NA	NA	140.3	NA	NA	98	5.83	19.69	NA	NA	NA
MW-8	08/21/13	3.69	NA	NA	NA	NA	NA	133.8	NA	NA	200	6.26	22.00	NA	NA	NA
MW-9	08/22/13	0.62	NA	NA	NA	NA	NA	161.2	NA	NA	273	4.98	21.61	NA	NA	NA
MW-10	05/17/12	NA	NA	NA	NA	0.48	NA	NA	NA	98	NA	NA	NA	NA	<0.013	<0.013
	08/21/13	0.33	NA	NA	NA	0.393	NA	-58.2	NA	NA	940	6.68	23.12	4.48	<0.005	<0.005
MW-11	08/20/13	0.48	NA	NA	NA	NA	NA	179.1	NA	NA	503	6.12	21.14	NA	NA	NA
MW-12	08/20/13	0.50	NA	NA	NA	NA	NA	153.7	NA	NA	134	5.31	20.37	NA	NA	NA
MW-13	08/20/13	0.25	NA	NA	NA	NA	NA	391.5	NA	NA	191	5.01	21.12	NA	NA	NA

Table 12: Analytical Data for Natural Attenuation Parameters **ADT 12**

DSCA ID No.: 32-0013

Sample ID	Sampling Date (mm/dd/yy)	Dissolved oxygen (DO)	Nitrate	Sulfate	Major Cations	Methane	Ferrous Iron	Oxidation reduction potential (ORP)	Alkalinity	Chloride (optional)	Conductivity	pH	Temperature	Total organic carbon (TOC)	Ethane	Ethene
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L	mg/L	µs/cm^2	std unit	° C	mg/L	mg/L	mg/L
MW-14S	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	11	NA	NA	NA	NA	<0.013	<0.013
	08/22/13	3.39	NA	NA	NA	<0.005	NA	0.4	NA	NA	213	6.54	20.95	1.97	<0.005	<0.005
MW-14I	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	11	NA	NA	NA	NA	<0.013	<0.013
	08/22/13	2.77	NA	NA	NA	<0.005	NA	15.1	NA	NA	219	6.62	22.07	<1.0	<0.005	<0.005
MW-15S	08/19/13	7.22	NA	NA	NA	NA	NA	170.5	NA	NA	62	5.00	19.41	NA	NA	NA
MW-15I	08/19/13	2.56	NA	NA	NA	NA	NA	208.6	NA	NA	127	5.64	19.85	NA	NA	NA
MW-16S	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	7.2	NA	NA	NA	NA	<0.013	<0.013
	08/21/13	4.40	NA	NA	NA	<0.005	NA	201.0	NA	NA	80	5.74	20.89	1.35	<0.005	<0.005
MW-16I	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	11	NA	NA	NA	NA	<0.013	<0.013
	08/21/13	4.69	NA	NA	NA	<0.005	NA	194.1	NA	NA	82	5.90	22.31	<1.0	<0.005	<0.005
MW-17S	08/21/13	2.55	NA	NA	NA	NA	NA	47.8	NA	NA	245	6.18	2.55	NA	NA	NA
MW-17I	08/21/13	5.20	NA	NA	NA	NA	NA	128.4	NA	NA	74	6.12	22.38	NA	NA	NA
MW-18	05/18/12	NA	NA	NA	NA	<0.010	NA	NA	NA	9.1	NA	NA	NA	NA	<0.013	<0.013
	08/19/13	4.92	NA	NA	NA	<0.005	NA	155.5	NA	NA	74	5.38	19.09	1.01	<0.005	<0.005
MW-19	08/19/13	2.01	NA	NA	NA	NA	NA	144.3	NA	NA	426	6.49	21.95	NA	NA	NA
MW-21	08/20/13	1.02	NA	NA	NA	<0.005	NA	-183.2	NA	NA	447	6.82	21.32	1.25	<0.005	<0.005
MW-22S	08/21/13	0.39	NA	NA	NA	3.61	NA	-57.1	NA	NA	568	6.56	22.78	4.48	0.160	0.0158
MW-22I	08/21/13	1.91	NA	NA	NA	0.0318	NA	28.5	NA	NA	218	6.66	22.91	1.72	0.0163	0.0192
MW-23S	08/19/13	7.40	NA	NA	NA	0.0196	NA	184.4	NA	NA	65	5.87	20.89	1.89	<0.005	<0.005
MW-23I	08/19/13	8.13	NA	NA	NA	<0.005	NA	188.5	NA	NA	75	6.31	21.69	1.01	<0.005	<0.005

Table 12(1): Analytical Data for Natural Attenuation Parameters (User Specified Parameters) **ADT 12(1)**

DSCA ID No.: 32-0013

Sample ID	Sampling Date (mm/dd/yy)	Total Iron															
	Units	mg/L															
MW-1R	08/05/11	NA															
	05/17/12	NA															
MW-1I	08/05/11	NA															
	05/17/12	NA															
MW-2R	05/17/12	NA															
MW-3R	08/05/11	NA															
	05/18/12	NA															
	08/20/13	1.79															
MW-3I	08/05/11	NA															
	05/18/12	NA															
	08/20/13	0.162															
MW-4R	05/17/12	NA															
	08/20/13	0.814															
MW-4I	05/17/12	NA															
	08/20/13	1.16															
MW-5R	05/18/12	NA															
	08/05/11	NA															
MW-5D	05/18/12	NA															
	08/05/11	NA															
MW-6	08/19/13	NA															
MW-7	08/22/13	NA															
MW-8	08/21/13	NA															
MW-9	08/22/13	NA															
MW-10	05/17/12	NA															
	08/21/13	9.18															
MW-11	08/20/13	NA															
MW-12	08/20/13	NA															
MW-13	08/20/13	NA															

Table 12(1): Analytical Data for Natural Attenuation Parameters (User Specified Parameters) **ADT 12(1)**

DSCA ID No.: 32-0013

Sample ID	Sampling Date (mm/dd/yy)	Total Iron															
	Units	mg/L															
MW-14S	05/18/12	NA															
	08/22/13	5.23															
MW-14I	05/18/12	NA															
	08/22/13	1.23															
MW-15S	08/19/13	NA															
MW-15I	08/19/13	NA															
MW-16S	05/18/12	NA															
	08/21/13	8.99															
MW-16I	05/18/12	NA															
	08/21/13	0.811															
MW-17S	08/21/13	NA															
MW-17I	08/21/13	NA															
MW-18	05/18/12	NA															
	08/19/13	13.1															
MW-19	08/19/13	NA															
MW-21	08/20/13	4.44															
MW-22S	08/21/13	9.17															
MW-22I	08/21/13	0.245															
MW-23S	08/19/13	2.05															
MW-23I	08/19/13	26.0															

FIGURES

WATTS STREET

SV SV-11

SV SV-14

SV SV-17

EXTENT OF EXCAVATION

NO METHANE WAS DETECTED IN AMBIENT AIR AT GROUND LEVEL ON THE SUBJECT SITE IN SEPTEMBER 2013

SV SV-16

SV SV-15

SOIL VAPOR VENT A

SOIL VAPOR VENT B

SOIL VAPOR VENT C

SOIL VAPOR VENT D

PASSIVE EXCAVATION VENT STACK

11/27/12	12.5%
1/8/13	11.0%
2/7/13	17.3%
3/8/13	16.4%
4/8/13	12.6%
5/8/13	15.0%
6/13/13	14.9%
7/8/13	14.5%
8/14/13	15.2%
9/11/13	15.7%

SV-55S

11/27/12	0.2%
1/8/13	4.1%
2/7/13	2.1%
3/8/13	1.8%
4/8/13	1.4%
5/8/13	1.1%
6/13/13	0.8%
7/8/13	0.7%
8/14/13	0.2%
9/11/13	0.9%

SV-55I

11/27/12	4.1%
1/8/13	3.6%
2/7/13	1.4%
3/8/13	1.6%
4/8/13	NM
5/8/13	1.6%
6/13/13	1.5%
7/8/13	1.5%
8/14/13	0.3%
9/11/13	0.3%

SV-8S

11/27/12	0.1%
1/8/13	0.8%
2/7/13	0.1%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
7/8/13	0.0%
8/14/13	0.1%
9/11/13	0.2%

SSD SYSTEM EXHAUST FAN

11/27/12	0.1%
1/8/13	1.0%
2/7/13	0.2%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
7/8/13	0.0%
8/14/13	0.1%
9/11/13	0.1%

1414 WATTS TRIANGLE FAMILY CHURCH

NO METHANE WAS DETECTED IN THE INDOOR AIR WITHIN THE CHURCH IN SEPTEMBER 2013

SV SV-28D

SV SV-27S&D

SV SV-8I

11/27/12	0.0%
1/8/13	1.3%
2/7/13	0.2%
3/8/13	0.1%
4/8/13	0.2%
5/8/13	0.2%
6/13/13	0.2%
7/8/13	0.2%
8/14/13	0.3%
9/11/13	0.2%

SV SV-29S

11/27/12	0.0%
1/8/13	0.3%
2/7/13	0.1%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
8/14/13	0.1%
9/11/13	0.1%

SV SV-30S&D

SV SV-36S&D

SV SV-20S

11/27/12	0.0%
1/8/13	1.3%
2/7/13	0.1%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
8/15/13	0.0%
9/11/13	0.1%

SV SV-20D

1/8/13	0.4%
2/7/13	0.1%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
8/15/13	0.0%
9/11/13	0.1%

SV SV-33

SV SV-35S&D

SV SV-43S&D

SV SV-42S&D

1423 (1425) DOLLAR

OFF-SITE BUILDING

OFF-SITE BUILDING

SV SV-21S&D

SV SV-22

SV SV-22

SV SV-25S&D

SV SV-19

11/27/12	0.0%
1/8/13	0.6%
2/7/13	0.0%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
8/15/13	0.0%
9/11/13	0.0%

1421 DOLLAR

SV SV-23

SV SV-31

SV SV-26S&D

SV SV-18

11/27/12	0.0%
1/8/13	0.4%
2/7/13	0.0%
3/8/13	0.0%
4/8/13	0.0%
5/8/13	0.0%
6/13/13	0.0%
8/14/13	0.1%
9/11/13	0.1%

1419 DOLLAR

SV SV-32

LEGEND

SV SOIL VAPOR SAMPLE LOCATION

NOTES:
1. METHANE FIELD READINGS WERE MEASURED USING A GEM 2000 MULTI GAS METER.
2. FIGURE FROM WITHERS & RAVENEL, DATED 6/21/13.
3. NM = NOT MEASURED

APPROXIMATE
0 20 40
SCALE IN FEET

TITLE
METHANE FIELD MEASUREMENTS
SEPTEMBER 2013

PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 10/01/13 | REVISION NO. 0

JOB NO. DS0-84 | FIGURE NO. 1

S:\AAA Master Projects\DSCA - DS0\DS0-84 One Hr Martinizing (former BB&T)\Figures\DC320013_20131001_UpdateFigures-hh.dwg, SV Methane

PARKING DECK

NORTHGATE MALL

W. CLUB BOULEVARD

WATTS STREET

DOLLAR AVENUE

GREGSON STREET

FORMER ONE HOUR MARTINIZING FACILITY

MW-10 (358.58)

MW-11 (351.41)

MW-12 (351.38)

MW-13 (350.64)

MW-3I (354.38)

MW-3R (354.70)

MW-4I (351.33)

MW-4R (351.05)

MW-6 (356.90)

MW-7 (351.48)

MW-8 (355.93)

MW-9 (371.03)

MW-14I (351.13)

MW-14S (350.93)

MW-15I (352.74)

MW-15S (350.65)

MW-16I (350.89)

MW-16S (350.78)

MW-17I (351.08)

MW-17S (350.48)

MW-18 (349.73)

MW-19 (357.91)

MW-20I

MW-20S

MW-21 (356.84)

MW-22I (354.28)

MW-22S (352.24)

MW-23I (351.93)

MW-23S (351.42)

RESTAURANT (1129 W. CLUB)

TRIANGLE FAMILY CHURCH (1414 WATTS)

RESIDENCE (1417 WATTS)

RESIDENCE (1415 WATTS)

RESIDENCE (1413 WATTS)

RESIDENCE (1410 WATTS)

RESIDENCE (1409 DOLLAR)

RESIDENCE (1411 DOLLAR)

RESIDENCE (1413 DOLLAR)

RESIDENCE (1417 DOLLAR)

RESIDENCE (1419 DOLLAR)

RESIDENCE (1421 DOLLAR)

RESIDENCE (1423/1425 DOLLAR)

RESIDENCE (1422 DOLLAR)

RESIDENCE (1420 DOLLAR)

RESIDENCE (1418 DOLLAR)

RESIDENCE (1416 DOLLAR)

RESIDENCE (1414 DOLLAR)

RESIDENCE (1412 DOLLAR)

RESIDENCE (1410 DOLLAR)

LEGEND

- SITE PROPERTY BOUNDARY
- PROPERTY PARCEL
- TYPE II MONITORING WELL
- ABANDONED MONITORING WELL
- (351.48) GROUNDWATER ELEVATION (FT MSL)
- 353 GROUNDWATER ELEVATION CONTOUR (FT MSL)
- ESTIMATED GROUNDWATER FLOW DIRECTION

NOTES:
1. MONITORING WELLS GAUGED ON 8/19/13.
2. INTERMEDIATE INTERVALS OF SHALLOW/INTERMEDIATE WELL PAIRS WERE NOT USED FOR CONTOURING.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE
GROUNDWATER GRADIENT MAP

PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 09/27/13 | REVISION NO. 0

JOB NO. DS0-84 | FIGURE NO. 2

PARKING DECK

NORTHGATE MALL

MW-13
<0.001

MW-11
0.0578

MW-12
<0.001

W. CLUB BOULEVARD

FORMER ONE HOUR MARTINIZING FACILITY

MW-3R
0.00762

MW-3I

GW-1
10.9 (26-30')

MW-4R
0.880

MW-4I

GW-2
0.946 (29.5-33.5')

MW-22I

MW-22S
<0.001

MW-23S
80.9

MW-14I

MW-14S
0.112

MW-21
0.00144

MW-23I

GW-3
23.7 (26-30')

TRIANGLE FAMILY CHURCH
(1414 WATTS)

MW-16I

MW-15I

MW-16S
0.103

MW-15S
15

MW-19
<0.001

MW-17I

MW-17S
0.00271

MW-6
<0.001

MW-18
1.1

MW-20I

MW-20S
NS

MW-10
<0.001

RESTAURANT
(1129 W. CLUB)

RESIDENCE
(1417 WATTS)

RESIDENCE
(1415 WATTS)

RESIDENCE
(1413 WATTS)

RESIDENCE
(1410 WATTS)

RESIDENCE
(1409 DOLLAR)

RESIDENCE
(1411 DOLLAR)

RESIDENCE
(1413 DOLLAR)

RESIDENCE
(1417 DOLLAR)

RESIDENCE
(1419 DOLLAR)

RESIDENCE
(1421 DOLLAR)

RESIDENCE
(1423/1425 DOLLAR)

RESIDENCE
(1422 DOLLAR)

RESIDENCE
(1420 DOLLAR)

RESIDENCE
(1418 DOLLAR)

RESIDENCE
(1416 DOLLAR)

RESIDENCE
(1414 DOLLAR)

RESIDENCE
(1412 DOLLAR)

RESIDENCE
(1410 DOLLAR)

MW-7
<0.001

MW-8
<0.001

MW-9
<0.001

WATTS ST

DOLLAR AVENUE

N. GREGSON STREET

0.007

0.07

0.7

1

LEGEND

- SITE PROPERTY BOUNDARY
- PROPERTY PARCEL
- TYPE II MONITORING WELL
- TEMPORARY MONITORING WELL
- 0.112 PCE CONCENTRATION IN mg/L
- 0.07 PCE ISOCONTOUR LINE IN mg/L (DASHED WHERE INFERRED)
- EXCAVATION AREA

NOTES:
1. SAMPLES FROM PERMANENT GROUNDWATER MONITORING WELLS COLLECTED ON 8/19/13 - 8/22/13.
2. SAMPLES FROM TEMPORARY MONITORING WELLS COLLECTED ON 09/06/13.
3. NS = NOT SAMPLED

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE
GROUNDWATER PCE ISOCONENTRATION MAP
SHALLOW MONITORING WELLS

PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 09/27/13 | REVISION NO. 0

JOB NO. DS0-84 | FIGURE NO. 3A

PARKING DECK

NORTHGATE MALL

MW-13

MW-11

MW-12

W. CLUB BOULEVARD

FORMER ONE HOUR MARTINIZING FACILITY

MW-3R

MW-3I
0.179

GW-1
7.05 (33-37')

MW-4R

MW-4I
0.0342

GW-2

MW-22I
57.7

MW-22S

MW-23S

MW-14I
0.00108

MW-14S

MW-21

MW-23I
1.76

GW-3
12.9 (40-45')

MW-15I
0.00342

MW-15S

MW-16I
<0.001

MW-16S

MW-19

MW-17I
0.00177

MW-17S

MW-6

MW-18

MW-20I
NS

MW-20S

MW-10

MW-7

MW-8

MW-9

RESTAURANT (1129 W. CLUB)

RESIDENCE (1417 WATTS)

RESIDENCE (1415 WATTS)

RESIDENCE (1413 WATTS)

RESIDENCE (1410 WATTS)

TRIANGLE FAMILY CHURCH (1414 WATTS)

RESIDENCE (1423/1425 DOLLAR)

RESIDENCE (1421 DOLLAR)

RESIDENCE (1419 DOLLAR)

RESIDENCE (1417 DOLLAR)

RESIDENCE (1413 DOLLAR)

RESIDENCE (1411 DOLLAR)

RESIDENCE (1409 DOLLAR)

RESIDENCE (1422 DOLLAR)

RESIDENCE (1420 DOLLAR)

RESIDENCE (1418 DOLLAR)

RESIDENCE (1416 DOLLAR)

RESIDENCE (1414 DOLLAR)

RESIDENCE (1412 DOLLAR)

RESIDENCE (1410 DOLLAR)

WATTS STR

DOLLAR AVENUE

N. GREGSON STREET

0.0007

0.007

0.07

0.7

1.0

LEGEND

- SITE PROPERTY BOUNDARY
- PROPERTY PARCEL
- TYPE II MONITORING WELL
- TEMPORARY MONITORING WELL
- 1.76 PCE CONCENTRATION IN mg/L
- 0.07 PCE ISOCONTOUR LINE IN mg/L (DASHED WHERE INFERRED)
- EXCAVATION AREA

NOTES:
1. SAMPLES FROM PERMANENT GROUNDWATER MONITORING WELLS COLLECTED ON 8/19/13 - 8/22/13.
2. SAMPLES FROM TEMPORARY MONITORING WELLS COLLECTED ON 09/06/13.
3. NS = NOT SAMPLED

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE
GROUNDWATER PCE ISOCONENTRATION MAP
INTERMEDIATE MONITORING WELLS

PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 09/27/13	REVISION NO. 0
JOB NO. DS0-84	FIGURE NO. 3B

PARKING DECK

NORTHGATE MALL

MW-13
<0.001

MW-11
0.182

MW-12
<0.001

0.001
0.01
0.1

W. CLUB BOULEVARD

FORMER ONE HOUR MARTINIZING FACILITY

MW-3R
<0.001

MW-3I

GW-1
0.00570 (26-30')

RESIDENCE (1423/1425 DOLLAR)

MW-4R
0.00118

MW-4I

GW-2
0.0336 (29.5-33.5')

MW-10
<0.001

RESTAURANT (1129 W. CLUB)

MW-22I

MW-22S
0.00147

MW-23S
0.0101

MW-14I

RESIDENCE (1421 DOLLAR)

MW-14S
<0.001

MW-21
<0.001

MW-23I

MW-7
<0.001

RESIDENCE (1422 DOLLAR)

RESIDENCE (1420 DOLLAR)

RESIDENCE (1418 DOLLAR)

RESIDENCE (1416 DOLLAR)

RESIDENCE (1414 DOLLAR)

RESIDENCE (1412 DOLLAR)

RESIDENCE (1410 DOLLAR)

MW-8
<0.001

MW-9
<0.001

GW-3
0.0205 (26-30')

TRIANGLE FAMILY CHURCH (1414 WATTS)

MW-16I

RESIDENCE (1419 DOLLAR)

MW-15I

MW-16S
<0.001

MW-15S
0.00606

MW-19
<0.001

RESIDENCE (1417 DOLLAR)

MW-17I

MW-17S
<0.001

RESIDENCE (1417 WATTS)

RESIDENCE (1415 WATTS)

RESIDENCE (1413 WATTS)

MW-6
<0.001

MW-18
<0.001

RESIDENCE (1413 DOLLAR)

RESIDENCE (1411 DOLLAR)

RESIDENCE (1410 WATTS)

MW-20I

MW-20S
NS

RESIDENCE (1409 DOLLAR)

WATTS STR

DOLLAR AVENUE

N. GREGSON STREET

LEGEND

- SITE PROPERTY BOUNDARY
- PROPERTY PARCEL
- TYPE II MONITORING WELL
- TEMPORARY MONITORING WELL
- 0.00101 TCE CONCENTRATION IN mg/L
- 0.001 TCE ISOCONTOUR LINE IN mg/L (DASHED WHERE INFERRED)
- EXCAVATION AREA

NOTES:
1. SAMPLES FROM PERMANENT GROUNDWATER MONITORING WELLS COLLECTED ON 8/19/13 - 8/22/13.
2. SAMPLES FROM TEMPORARY MONITORING WELLS COLLECTED ON 09/06/13.
3. NS = NOT SAMPLED

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE
GROUNDWATER TCE ISOCONENTRATION MAP
SHALLOW MONITORING WELLS

PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 09/27/13 | REVISION NO. 0

JOB NO. DS0-84 | FIGURE NO. 3C

TITLE
GROUNDWATER TCE ISOCONENTRATION MAP
INTERMEDIATE MONITORING WELLS

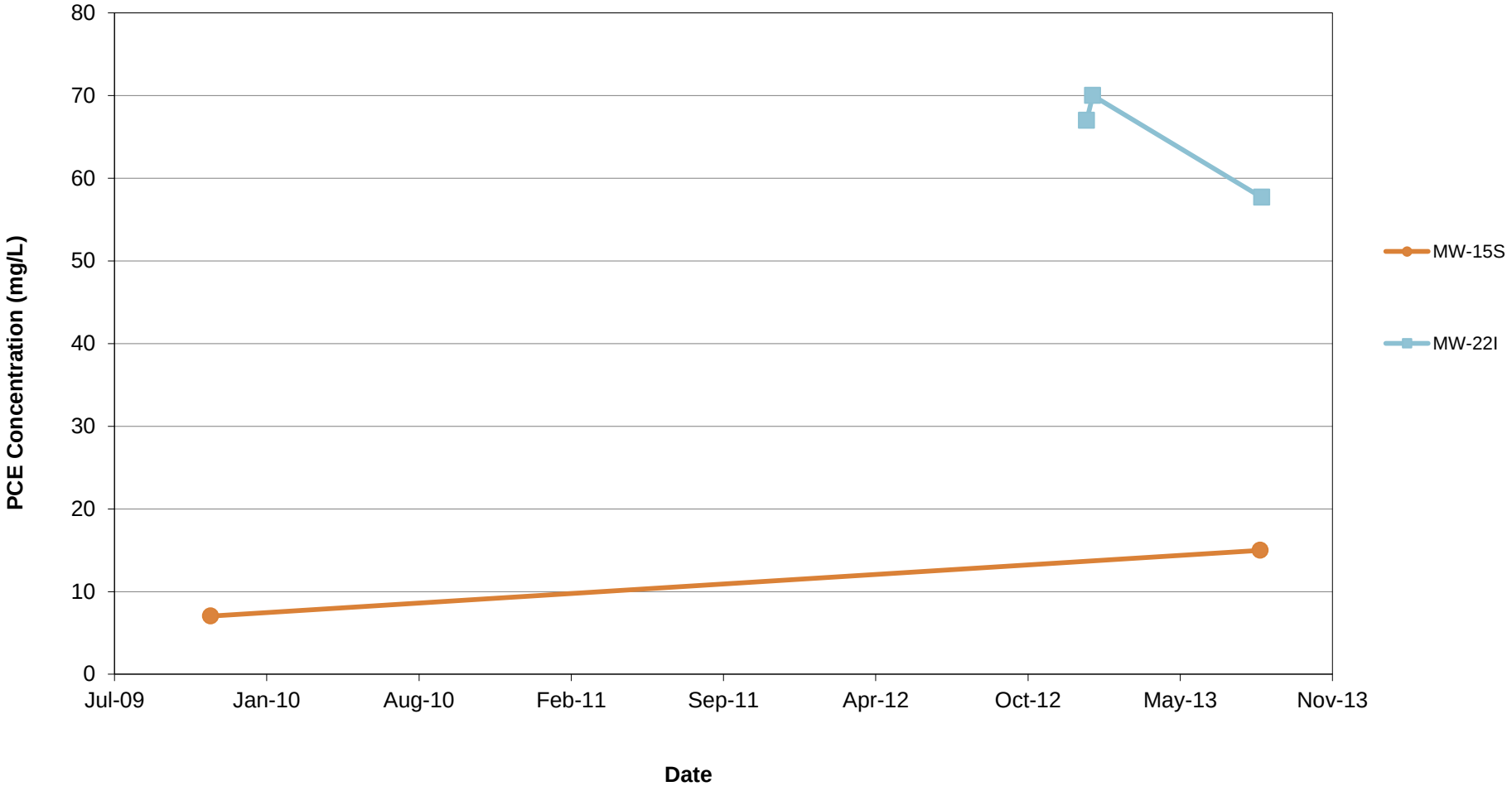
PROJECT
ONE HOUR MARTINIZING
DSCA ID NO: 32-0013
1103 WEST CLUB BLVD
DURHAM, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 09/27/13	REVISION NO. 0
JOB NO. DS0-84	FIGURE NO. 3D

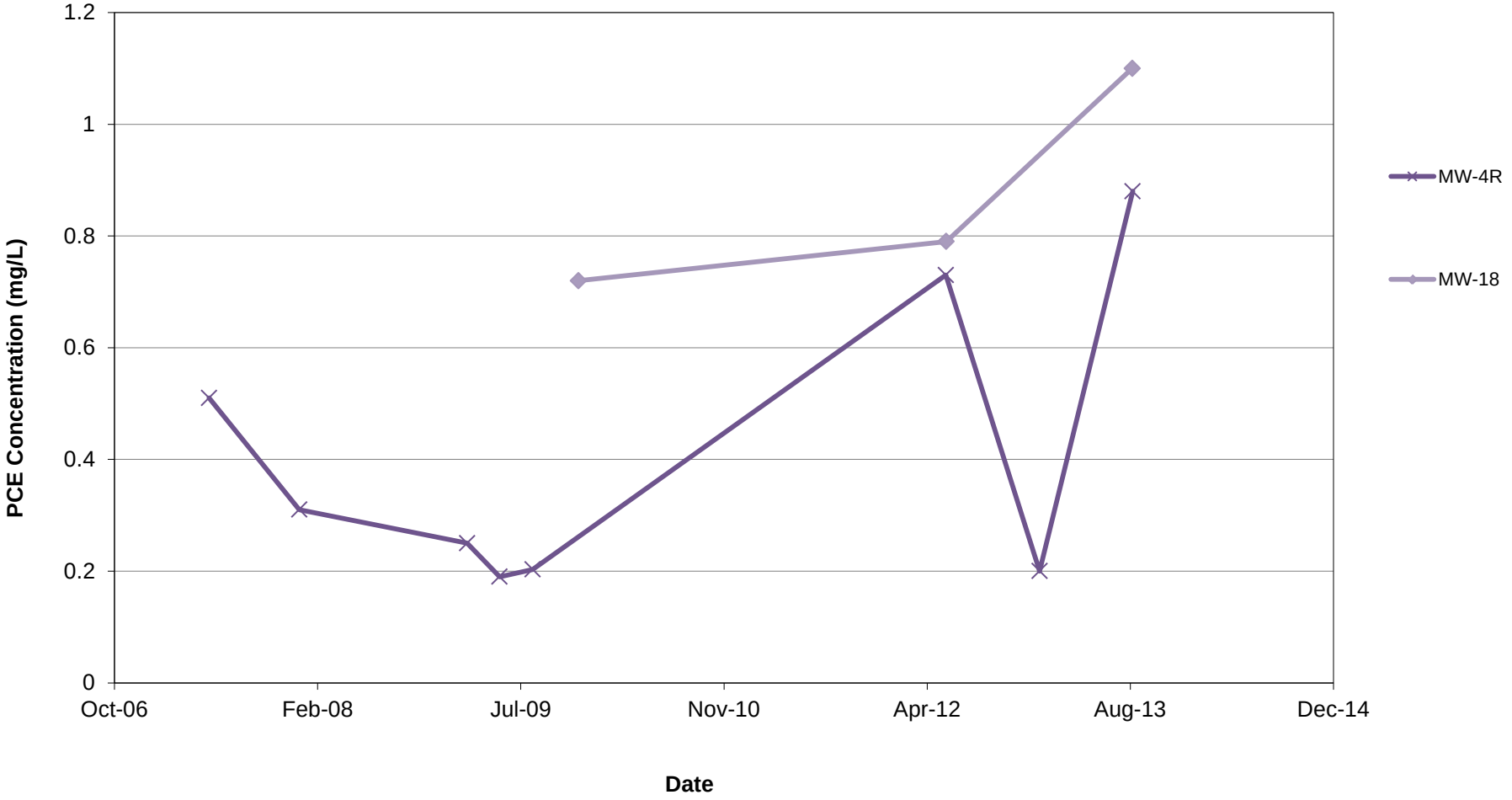
GRAPHS

PCE Concentration vs. Time Graph
MW-15S and MW-22I
One Hour Martinizing, Durham, Durham County
DSCA ID: 32-0013



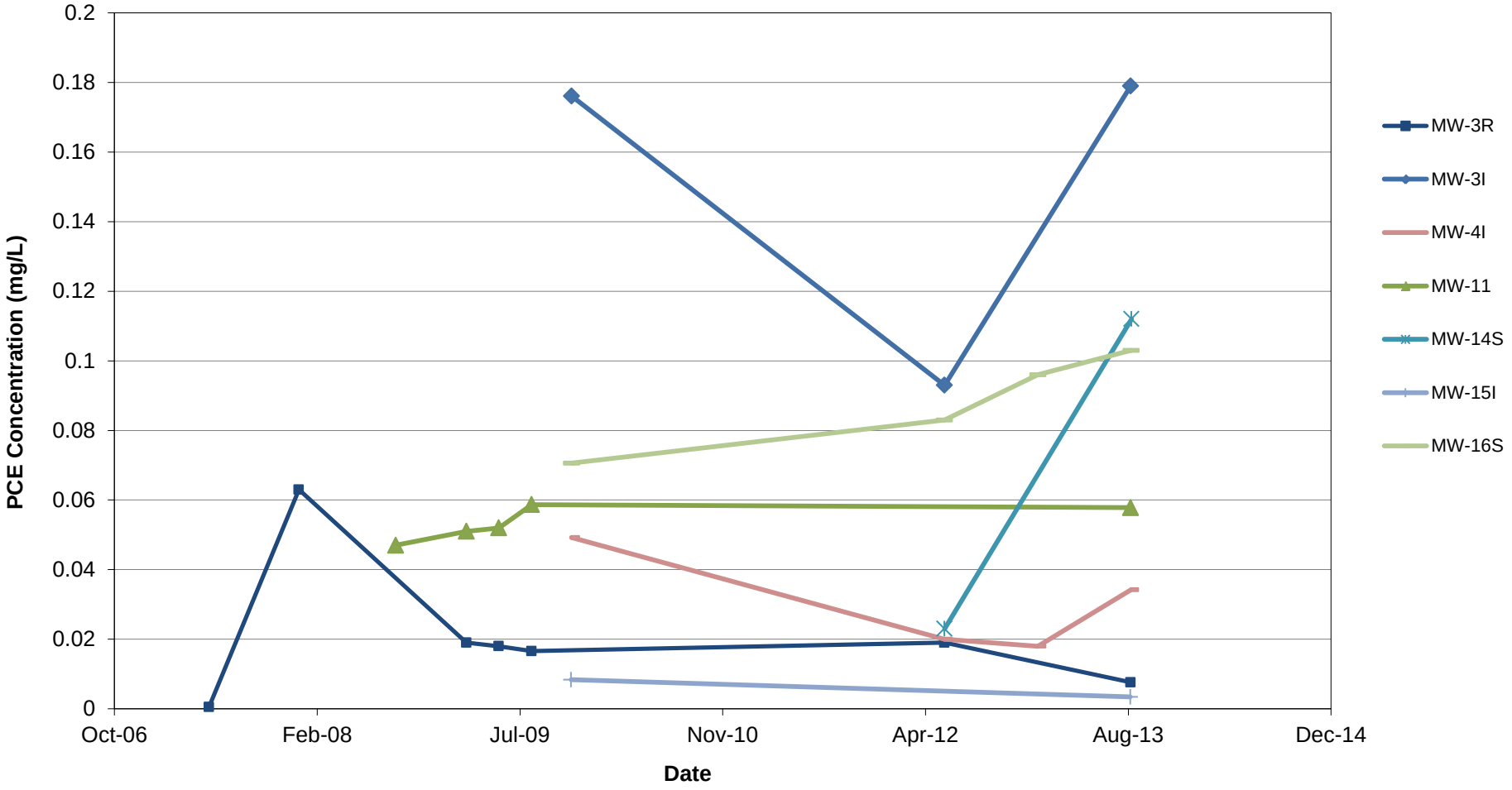
Note: Non-detect values are graphed as half the laboratory method detection limit.

PCE Concentration vs. Time Graph
MW-4R and MW-18
One Hour Martinizing, Durham, Durham County
DSCA ID: 32-0013



Note: Non-detect values are graphed as half the laboratory method detection limit.

PCE Concentration vs. Time Graph
MW-3R, MW-3I, MW-4I, MW-11, MW-14S, MW-15I, MW-16S
One Hour Martinizing, Durham, Durham County
DSCA ID: 32-0013



Note: Non-detect values are graphed as half the laboratory method detection limit.