

February 1, 2013

Mr. Gregory J. Handly
NYSDEC Division of Environmental Remediation
Route 86, PO Box 296
Ray Brook, NY 12977-0296

Re: Philmar Electronics – Morrisonville, NY
NYSDEC Project #510008

Dear Mr. Handly,

Aztech Technologies, Inc. (Aztech) has prepared this letter to outline the remedial progress and provide a status update for the Philmar Electronics site, New York State Department of Environmental Conservation (NYSDEC) Project #510008 (**Figure 1**). The activities summarized in this correspondence were completed between June 30, 2012 and December 31, 2012.

Remediation System

The system began pumping groundwater on May 19, 2004. On October 18, 2004, five hundred and seventy pounds (570#) of Regenes Hydrogen Release Compound (HRC) were installed in screened tubes and placed in the recirculation tank located near the former air stripper compound (Figure 1). The HRC tubes were removed in November 2008 at the direction of the NYSDEC.

Site visits were conducted on August 27, 2012, October 26, 2012 and December 14, 2012 to confirm that the remediation system was operating. During these visits, the system was operating and water meter and hour meter readings were recorded. A summary of the pumping rates, to date, is presented in **Table 1**. A total of approximately 22.7 million gallons of groundwater have been pumped through the remediation system between May 2004 and December 14, 2012. In the second half of 2012 approximately 0.49 million gallons of groundwater were pumped and discharged without interruption.

Groundwater Monitoring and Sampling

Aztech surveyed the top of the groundwater well casing elevations on September 7, 2011. The top of casing elevations were surveyed relative to an arbitrary datum of 100.00 feet using a Sokkia C3₃₀ optical level. Longitude and latitude coordinates of selected monitoring wells and sample locations were collected on this date for spatial reference. The top of casing elevations are shown on **Table 2**.

Aztech collected depth to groundwater using an electronic water level indicator graduated in 0.01 feet increments. The depth to groundwater was collected from the highest point of the well casing or from a surveyed mark. Groundwater elevations collected from 2008 through October 26, 2012 are shown on Table 2.

The groundwater elevations collected on October 26, 2012 (**Figure 2**) were plotted on the site map to determine groundwater flow direction and hydraulic gradient. During this groundwater gauging event, the groundwater flow direction was towards the west beneath the site at a hydraulic gradient of approximately 0.06 ft/ft.

Aztech collected groundwater samples on October 26, 2012 from monitoring wells MW-6, MW-7, MW-9, DGC-6S, DGC-7S and DGC-8S. During this sampling event, groundwater was purged from the monitoring wells using dedicated, disposable bailers. The Trench and Discharge samples were erroneously not sampled during this sampling event. The groundwater samples collected on October 26, 2012 were shipped to TestAmerica in Buffalo, New York for volatile organic compound (VOC) analysis using Environmental Protection Agency (EPA) Method 624. A hardcopy of the laboratory analytical report is included with this document. A summary of the groundwater analytical results are below.

The results from the October 26, 2012 sampling event are shown on **Table 3** and **Figure 3**.

- 1,2-dichloroethene (total) was detected above the NYSDEC groundwater standard of 5.0 micrograms per liter ($\mu\text{g/l}$) in monitoring well DGC-8S (12 $\mu\text{g/l}$).
- Trichloroethene (TCE) was detected above the NYSDEC standard of 5.0 $\mu\text{g/l}$ in monitoring well DGC-8S (10 $\mu\text{g/l}$) on October 26, 2012.
- Vinyl chloride was detected above the groundwater standard of 2.0 $\mu\text{g/l}$ in monitoring wells MW-7, (5.3 $\mu\text{g/l}$), DGC-6S (3.3 $\mu\text{g/l}$), DGC-8S (5.5 $\mu\text{g/l}$), on October 26, 2012.
- The other analyzed VOCs were either not detectable or were detected below the NYSDEC groundwater standards.

Based on the groundwater analytical results, it appears that the trichloroethene is effectively breaking down to its daughter products 1,2-dichloroethene and vinyl chloride. Additionally, the highest concentrations of these compounds appear to be located hydraulically downgradient of the groundwater recharge gallery (MW-7, MW-9 and DGC-8S) towards the southern portion of the collection trench.

Groundwater field measurements consisting of temperature; specific conductance; dissolved oxygen; pH; and, oxidation-reduction potential were collected on October 26, 2012 using an YSI Model 556 multiprobe meter. The results of the field measurements are included on **Table 4**. The groundwater impacts appear to be naturally attenuating at a slow rate based on the other parameters.

Recommendations

Aztech recommends that the semi-annual groundwater sampling events and bi-monthly (once every two months) system operation and maintenance visits continue until the concentrations of trichloroethene, 1,2-dichloroethene, and vinyl chloride meet the ambient drinking water standards. The next system check will be completed in February 2013, and the next groundwater sampling event will be performed in April 2013.

Given the slow decline in the target VOCs in selected monitoring wells, a limited in-situ chemical oxidation injection using chemicals designed to target and reduce chlorinated VOCs should be considered. Additionally, it would be beneficial to clean the re-circulation tank to remove debris that has accumulated.

If you have any questions, please call us at (518) 885-5383.

Sincerely,
Aztech Technologies, Inc.

Stefan Truex
Geologist

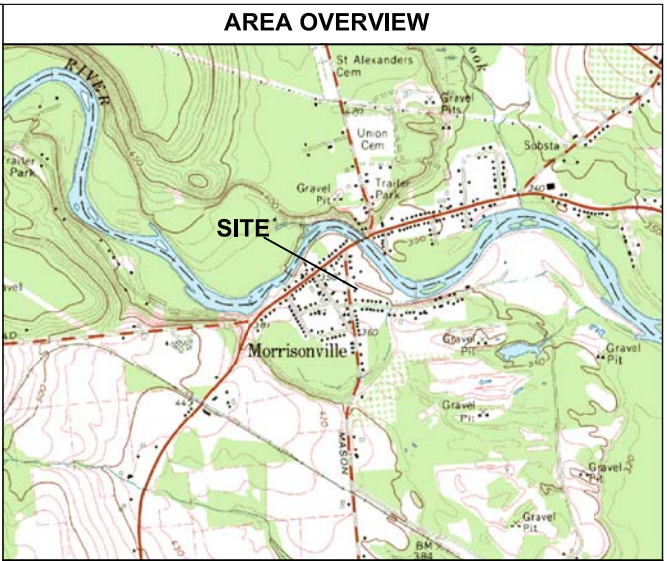
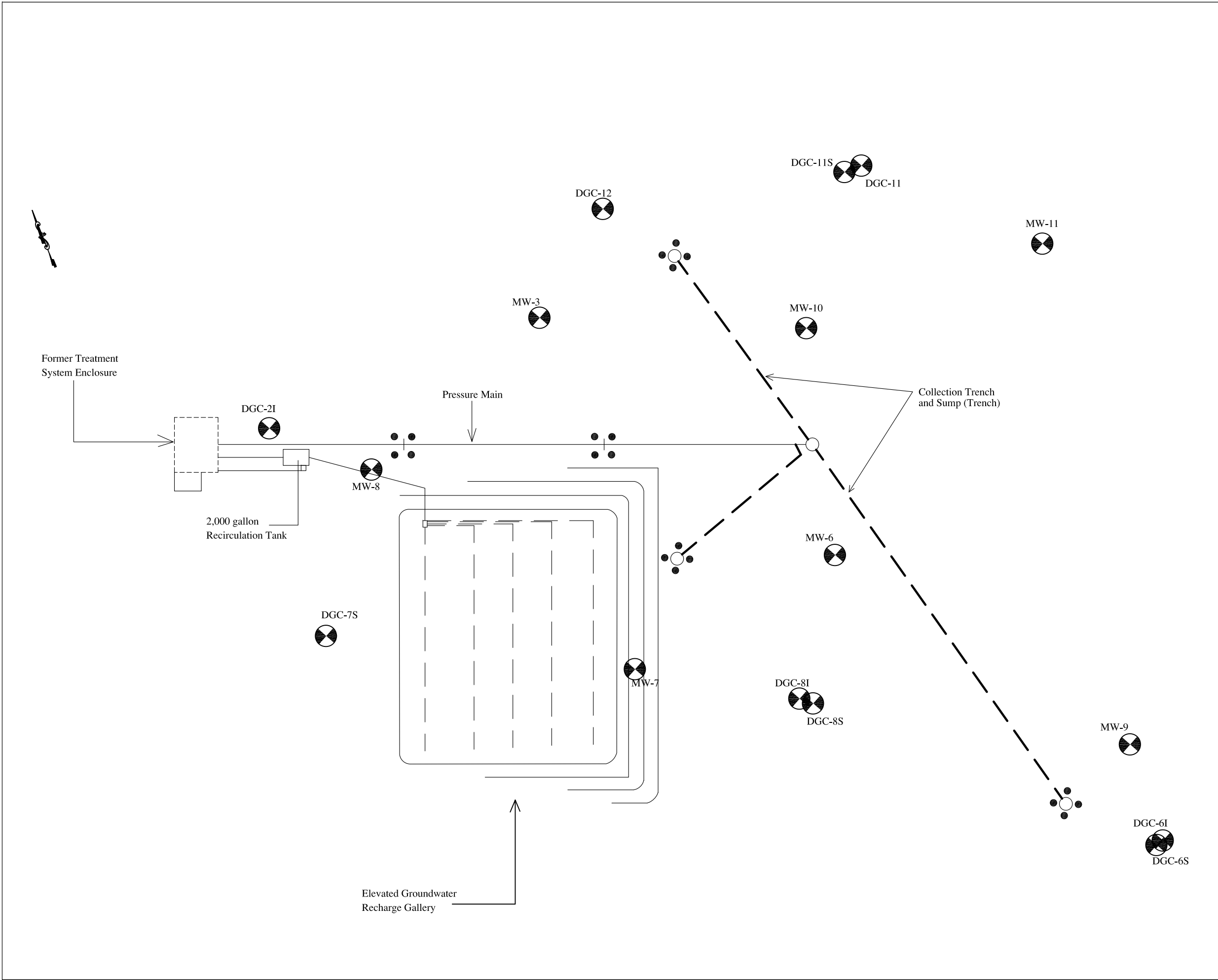
Aaron Yecies
Sr. Hydrogeologist

ATTACHMENTS

Figures

Tables

Laboratory Analytical Reports



Legend:

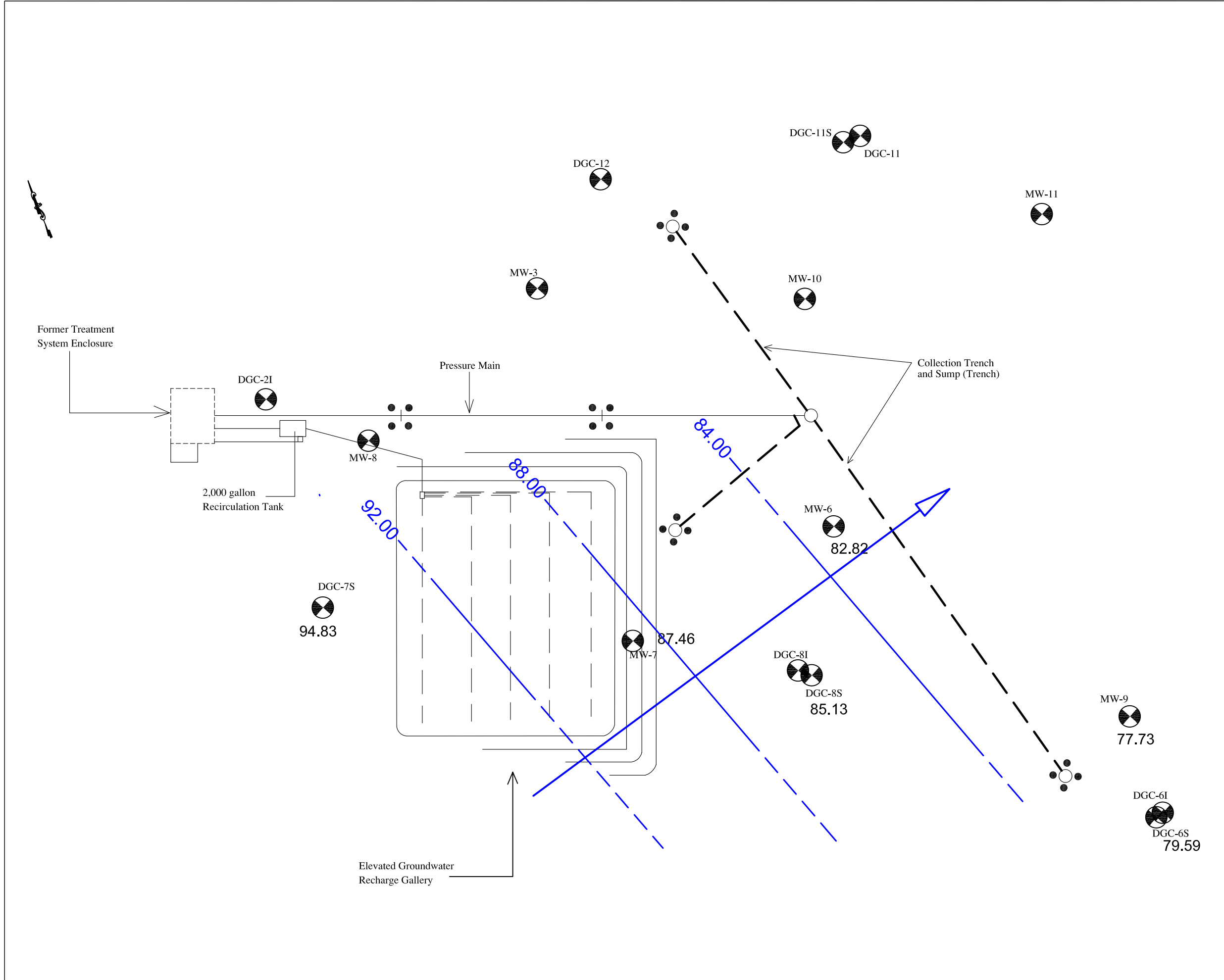
- MW-3 **Monitoring Well**
- Manhole Cover**
- Underground Piping**
- Bollards**

**NYSDEC Region 5
Philmar Electronics Site
Mason Street
Morrisonville, NY
Site ID: 510008**

Figure 1

DATE: 1/25/12	1" = 40'
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SITE MAP



AREA OVERVIEW

Legend:

- MW-3 **Monitoring Well**
- Manhole Cover**
- Underground Piping**
- Bollards**
- Groundwater Flow Direction**

**NYSDEC Region 5
Philmar Electronics Site
Mason Street
Morrisonville, NY
Site ID: 510008**

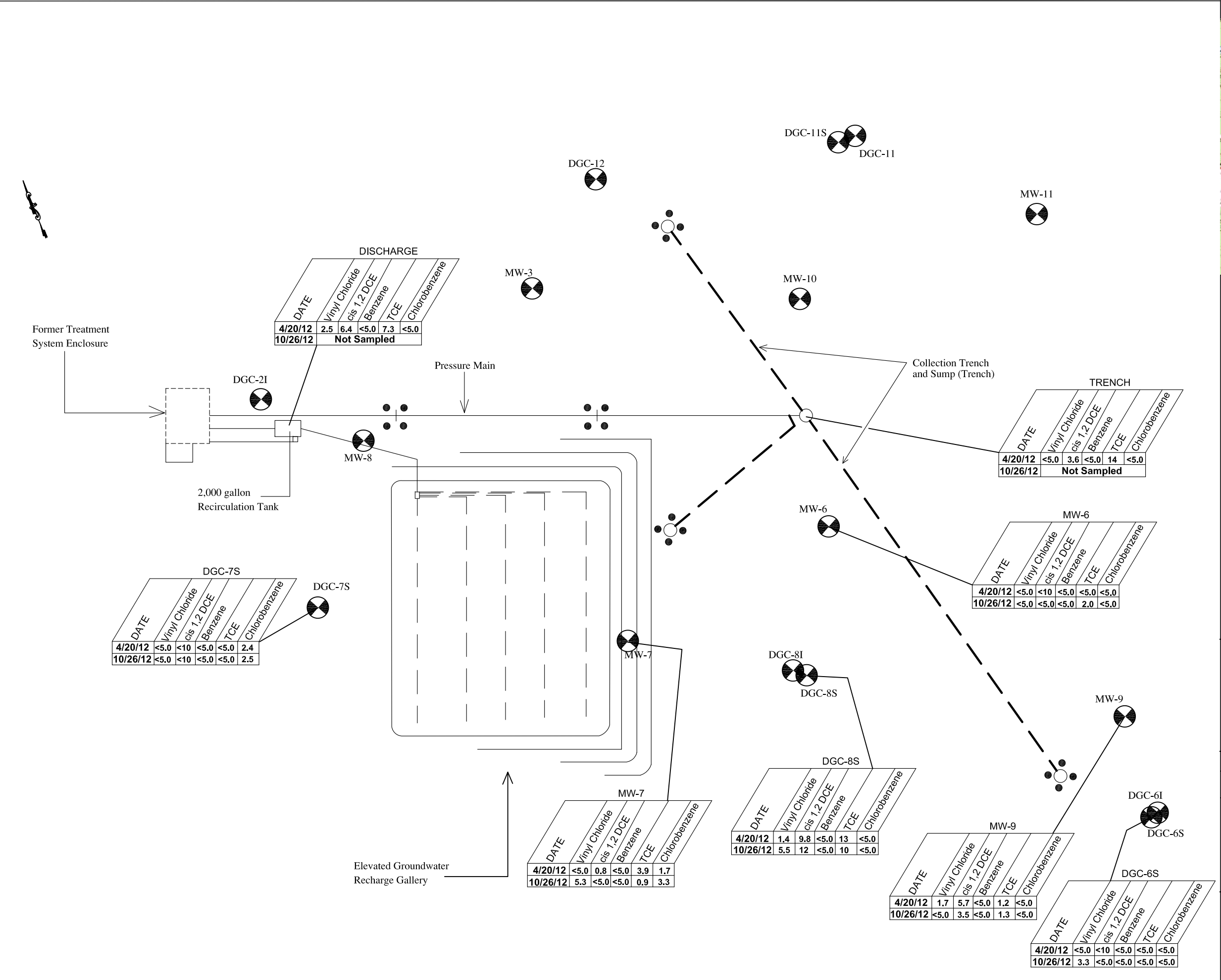
Figure 2

DATE: 10-26-2012	1" = 40'
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Groundwater Contour Map
Contour Interval = 4.0 feet

5 McCrea Hill Road
Ballston Spa
New York 12020

Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com



Legend:

- MW-3 **Monitoring Well**
- Manhole Cover**
- Underground Piping**
- Bollards**

cis 1,2 DCE = cis 1,2-Dichloroethene
TCE = Trichloroethene

**NYSDEC Region 5
Philmar Electronics Site
Mason Street
Morrisonville, NY
Site ID: 510008**

Figure 3

DATE: As Shown 1" = 40'

CONTAMINANT DISTRIBUTION MAP

Concentration listed in micrograms per liter (ug/L)

YOU CAN COUNT ON

5 McCreia Hill Road
Ballston Spa
New York 12020

Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

TABLE 1

GROUNDWATER PUMPING DATA

Former Philmar Electronic Site
Mason Street
Morrisonville, Clinton County, NY
NYSDEC Site ID #510008

Date	Days Elapsed	Water Meter	Total Gallons Pumped	Gallons/ Day	Gallons/ Minute	Influent VOC/MtBE Concentration (ppb)
5/19/2004	0	176,368	----- GW Pumping Component Started -----			
5/21/2004	2	207,208	30,840	15,420	10.71	
6/10/2004	20	400,410	193,202	9,660	6.71	146
7/20/2004	40	560,722	160,312	4,008	2.78	106
9/15/2004	57	782,621	221,899	3,893	2.70	156
10/18/2004	33	924,393	141,772	4,296	2.98	77
11/24/2004	37	1,011,920	87,527	2,366	1.64	209
12/22/2004	28	1,101,953	90,033	3,215	2.23	124
1/17/2005	26	1,173,545	71,592	2,754	1.91	124
2/2/2005	16	1,173,595	50	3.1	0.00	124
8/8/2005	187	2,249,238	1,075,643	5,752	3.99	124
10/27/2005	80	2,595,730	346,492	4,331	3.01	76
4/3/2006	158	4,478,910	1,883,180	11,919	8.28	89
6/7/2006	65	5,230,130	751,220	11,557	8.03	89
6/15/2006	8	5,232,860	2,730	341	0.24	89
9/7/2006	84	6,015,918	783,058	9,322	6.47	89
10/12/2006	35	6,102,533	86,615	2,475	1.72	146
12/4/2006	53	6,574,610	472,077	8,907	6.19	146
2/27/2007	85	7,651,400	1,076,790	12,668	8.80	146
4/23/2007	55	8,559,690	908,290	16,514	11.47	38
6/14/2007	52	9,484,211	924,521	17,779	12.35	38
8/15/2007	62	9,987,570	503,359	8,119	5.64	38
10/4/2007	50	119,680	32,110	642	0.45	104
12/11/2007	68	740,750	621,070	9,133	6.34	104
2/8/2008	59	2,208,495	1,467,745	24,877	17.28	104
4/3/2008	55	3,490,979	1,282,484	23,318	16.19	28
6/25/2008	83	4,412,120	921,141	11,098	7.71	28
12/9/2008	167	4,448,290	36,170	217	0.15	28
2/5/2009	58	4,451,880	3,590	62	0.04	28
2/17/2009	12	4,507,850	55,970	4,664	3.24	28
4/29/2009	71	5,866,070	1,358,220	19,130	13.28	40
6/23/2009	55	6,820,354	954,284	17,351	12.05	40
8/26/2009	64	7,480,920	660,566	10,321	7.17	40
10/13/2009	48	7,488,925	8,005	167	0.12	52
12/16/2009	64	7,480,920	reading error			52
2/23/2010	69	water meter found to be broken				52
4/9/2010	45	12	water meter replaced			22
6/16/2010	68	90	78	1.147	0.0008	22
8/9/2010	54	187,992	187,902	3,480	2.42	22
10/14/2010	66	449,370	261,378	3,960	2.75	23
12/7/2010	54	988,850	539,480	9,990	6.94	23
2/9/2011	64	1,435,180	446,330	6,974	4.84	23
4/27/2011	77	2,152,907	717,727	9,321	6.47	22
6/14/2011	48	2,753,209	600,302	12,506	8.68	22
9/7/2011	85	2,964,373	211,164	2,484	1.73	22
10/26/2011	49	3,517,117	552,744	11,280	7.83	30
12/22/2011	57	3,949,651	432,534	7,588	5.27	30
2/21/2012	61	4,250,370	300,719	4,930	3.42	30
4/20/2012	59	4,614,060	363,690	6,164	4.28	18
6/12/2012	53	4,994,660	380,600	7,181	4.99	18
8/27/2012	76	5,179,430	184,770	2,431	1.69	18
10/26/2012	60	5,287,323	107,893	1,798	1.25	18
12/14/2012	49	5,487,668	200,345	4,089	2.84	18
Cumulative	2,946		22,700,213			

TABLE 3

GROUNDWATER ANALYTICAL DATA

Former Philmar Electronics Site
Mason Street, Clinton County, New York
NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	cis 1,2-Dichloroethene	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	Toc
TRENCH								
12/20/2001	75	310	4.0	1,100	20	10	not analyzed	not analyzed
5/20/2003	31	180	0.8	160	25	1.0	not analyzed	not analyzed
6/10/2004	19	62	<10	61	4.0	<10	not analyzed	not analyzed
7/24/2004	not analyzed	not analyzed	0.8	95	2.8	<1.0	not analyzed	not analyzed
9/15/2004	17	76	<5.0	63	<5.0	<10	not analyzed	14
10/18/2004	not analyzed	not analyzed	<1.0	70	2.4	<1.0	not analyzed	not analyzed
11/24/2004	24	103	<5.0	82	<5.0	<10	<10	not analyzed
12/22/2004	22	55	<5.0	47	<5.0	<10	not analyzed	not analyzed
1/17/2005				not sampled				
4/5/2005				not sampled				
10/27/2005	19	34	<5.0	23	<5.0	not analyzed	not analyzed	not analyzed
4/3/2006	14	42	<5.0	24	9.2	not analyzed	<10	not analyzed
10/12/2006	19	80	<5.0	47	<5.0	not analyzed	not analyzed	not analyzed
4/23/2007	<10	25	<5.0	13	<5.0	not analyzed	not analyzed	not analyzed
10/4/2007	31	43	<5.0	30	<5.0	not analyzed	not analyzed	not analyzed
4/3/2008	<10	19	<5.0	9.2	<5.0	not analyzed	not analyzed	not analyzed
10/10/2008				not sampled				
4/29/2009	<10	19	<5.0	16	5.1	not analyzed	not analyzed	not analyzed
10/13/2009	13	14	<5.0	14	11	not analyzed	not analyzed	not analyzed
4/9/2010	<10	16	<5.0	6.4	<5.0	not analyzed	not analyzed	not analyzed
10/14/2010	<10	5.7	<5.0	17	<5.0	not analyzed	not analyzed	not analyzed
4/27/2011	<10	5.2	<5.0	5.4	<5.0	not analyzed	not analyzed	not analyzed
10/26/2011	8.5	5.3	<3.0	6.4	3.2	not analyzed	not analyzed	not analyzed
4/20/2012	<5.0	3.6	<5.0	14	<5.0	not analyzed	not analyzed	not analyzed
10/26/2012				not sampled				
DISCHARGE								
5/20/2003				not sampled			not analyzed	not analyzed
5/20/2003				not sampled				
6/10/2004				not sampled				
7/24/2004				not sampled				
10/18/2004				not sampled				
11/24/2004				not sampled				
12/22/2004	6.8	41	<5.0	50	<5.0	<10	not analyzed	9.3
1/17/2005	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	<10	not analyzed
4/5/2005	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	<10	not analyzed
8/18/2005	not analyzed	not analyzed	<0.5	38	1.1	<2.0	not analyzed	not analyzed
10/27/2005				not sampled				
4/3/2006				not sampled				
10/12/2006	21	63	<5.0	33	<5.0	not analyzed	not analyzed	not analyzed
4/23/2007	<10	25	<5.0	13	<5.0	not analyzed	not analyzed	not analyzed
10/4/2007	22	36	<5.0	25	<5.0	not analyzed	not analyzed	not analyzed
4/3/2008	<10	20	<5.0	9.1	<5.0	not analyzed	not analyzed	not analyzed
10/10/2008				not sampled				
4/29/2009	<10	19	<5.0	16	<5.0	not analyzed	not analyzed	not analyzed
10/13/2009	<10	13	<5.0	18	8.7	not analyzed	not analyzed	not analyzed
4/9/2010	<10	16	<5.0	6.9	<5.0	not analyzed	not analyzed	not analyzed
10/14/2010	12	9.5	<5.0	12	<5.0	not analyzed	not analyzed	not analyzed
4/27/2011	<10	5.2	<5.0	5.6	<5.0	not analyzed	not analyzed	not analyzed
10/26/2011	8.2	5.3	<3.0	6.8	3.2	not analyzed	not analyzed	not analyzed
4/20/2012	2.5	6.4	<5.0	7.3	<5.0	not analyzed	not analyzed	not analyzed
10/26/2012				not sampled				
MW-6								
12/20/2001				not sampled				
5/20/2003				not sampled				
6/10/2004	<10	<10	<10	<10	<10	<10	not analyzed	not analyzed
7/24/2004				not sampled				
9/15/2004	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	15
10/18/2004				not sampled				
11/24/2004	<5.0	26	<5.0	22	<5.0	<10	<10	not analyzed
12/22/2004				not sampled				
1/17/2005				not sampled				
4/5/2005				not sampled				
10/27/2005	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/3/2006	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/12/2006	<10	13	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/23/2007	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/4/2007	<10	12	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/3/2008	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/10/2008	<10	5.6	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/29/2009	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/13/2009	<10	5.3	<5.0	8.0	<5.0	not analyzed	not analyzed	not analyzed
4/9/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/14/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed

TABLE 3

GROUNDWATER ANALYTICAL DATA

Former Philmar Electronics Site
Mason Street, Clinton County, New York
NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	cis 1,2-Dichloroethene	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	Toc
MW-6 (Continued)								
4/27/2011	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/26/2011	<2.0	<3.0	<3.0	<3.0	<3.0	not analyzed	not analyzed	not analyzed
4/20/2012	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/26/2012	<5.0	<5.0	<5.0	2.0	<5.0	not analyzed	not analyzed	not analyzed
MW-7								
12/20/2001				not sampled				
5/20/2003				not sampled				
6/10/2004	5.0	15	<10	9.0	7.0	<10	not analyzed	not analyzed
7/24/2004				not sampled				
9/15/2004	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	14
10/18/2004				not sampled				
11/24/2004	6.7	48	<5.0	12	<5.0	<10	<10	not analyzed
12/22/2004	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	8.7
1/17/2005	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	<10	not analyzed
4/5/2005				not sampled				
10/27/2005	39	5.6	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/3/2006	<10	26	<5.0	15	<5.0	not analyzed	<10	not analyzed
10/12/2006	20	<5.0	<5.0	<5.0	9.4	not analyzed	not analyzed	not analyzed
4/23/2007	<10	6.3	<5.0	<5.0	6.4	not analyzed	not analyzed	not analyzed
10/4/2007				not sampled				
4/3/2008	<10	5.8	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/10/2008				not accessible				
4/29/2009	<10	7.4	<5.0	5.6	<5.0	not analyzed	not analyzed	not analyzed
10/13/2009	<10	5.0	<5.0	6.3	7.8	not analyzed	not analyzed	not analyzed
4/9/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/14/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/27/2011	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/26/2011	<2.0	2.6	<3.0	2.2	<3.0	not analyzed	not analyzed	not analyzed
4/20/2012	<5.0	0.8	<5.0	3.9	1.7	not analyzed	not analyzed	not analyzed
10/26/2012	5.3	<5.0	<5.0	0.9	3.3	not analyzed	not analyzed	not analyzed
MW-9								
12/20/2001				not sampled				
5/20/2003	2.0	25	1.0	5.0	1.0	1.0	not analyzed	not analyzed
6/10/2004	14	23	<10	2.0	<10	<10	not analyzed	not analyzed
7/24/2004				not sampled				
10/18/2004				not sampled				
11/24/2004				not sampled				
12/22/2004				not sampled				
1/17/2005				not sampled				
4/5/2005				not sampled				
10/27/2005	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/3/2006	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/12/2006	130	190	<5.0	23	<5.0	not analyzed	not analyzed	not analyzed
4/23/2007	<10	9.1	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/4/2007	110	150	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/3/2008				not accessible				
10/10/2008	23	63	<5.0	14	<5.0	not analyzed	not analyzed	not analyzed
4/29/2009	35	66	<5.0	7.5	<5.0	not analyzed	not analyzed	not analyzed
10/13/2009	51	100	<5.0	26	<5.0	not analyzed	not analyzed	not analyzed
4/9/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/14/2010	26	28	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/27/2011	15	25	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/26/2011	<2.0	5.7	<3.0	2.3	<3.0	not analyzed	not analyzed	not analyzed
4/20/2012	1.7	5.7	<5.0	1.2	<5.0	not analyzed	not analyzed	not analyzed
10/26/2012	<5.0	3.5	<5.0	1.3	<5.0	not analyzed	not analyzed	not analyzed
MW-10								
12/20/2001				not sampled				
5/20/2003	1.0	1.0	1.0	0.5	1.0	1.0	not analyzed	not analyzed
6/10/2004	<10	<10	<10	<10	<10	<10	not analyzed	not analyzed
7/24/2004 - 10/26/2012				not sampled				
MW-11								
12/20/2001				not sampled				
5/20/2003				not sampled				
6/10/2004	<10	<10	<10	<10	<10	<10	not analyzed	not analyzed
7/24/2004 - 10/26/2012				not sampled				
DGC-6S								
12/20/2001				not sampled				
5/20/2003	30	8.0	1.0	1.0	1.0	1.0	not analyzed	not analyzed
6/10/2004				not sampled				
7/24/2004				not sampled				
10/18/2004				not sampled				
11/24/2004				not sampled				
12/22/2004				not sampled				
1/17/2005				not sampled				

TABLE 3

GROUNDWATER ANALYTICAL DATA

Former Philmar Electronics Site
Mason Street, Clinton County, New York
NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS								
	Vinyl Chloride	cis 1,2-Dichloroethene	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	Toc	
DGC-6S (Continued)									
4/5/2005	not sampled								
10/27/2005	not sampled								
4/3/2006	10	6.6	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/12/2006	14	7.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/23/2007	11	5.8	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/4/2007	13	7.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/3/2008	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/10/2008	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/29/2009	<10	6.7	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/13/2009	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/9/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/14/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/27/2011	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/26/2011	<2.0	<3.0	<3.0	<3.0	<3.0	not analyzed	not analyzed	not analyzed	
4/20/2012	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/26/2012	3.3	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
DGC-6I									
12/20/2001	not sampled								
5/20/2003	1.0	1.0	1.0	1.0	1.0	not analyzed	not analyzed	not analyzed	
6/10/2004 - 10/26/2012	not sampled								
DGC-7S									
12/20/2001	not sampled								
5/20/2003	9.0	13	1.0	0.6	4.0	5.0	not analyzed	not analyzed	
6/10/2004	6.0	6.0	<10	<10	4.0	2.0	not analyzed	not analyzed	
7/24/2004	not sampled								
10/18/2004	not sampled								
11/24/2004	not sampled								
12/22/2004	not sampled								
1/17/2005	not sampled								
4/5/2005	not sampled								
10/27/2005	<10	8.2	<5.0	<5.0	5.8	not analyzed	not analyzed	not analyzed	
4/3/2006	<10	6.5	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/12/2006	<10	21	<5.0	<5.0	8.8	not analyzed	not analyzed	not analyzed	
4/23/2007	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/4/2007	<1.0	9.7	<5.0	<5.0	8.4	not analyzed	not analyzed	not analyzed	
4/3/2008	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/10/2008	<10	<5.0	<5.0	<5.0	7.1	not analyzed	not analyzed	not analyzed	
4/29/2009	<10	<5.0	<5.0	<5.0	7.0	not analyzed	not analyzed	not analyzed	
10/13/2009	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
4/9/2010	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/14/2010	<10	<5.0	<5.0	<5.0	5.4	not analyzed	not analyzed	not analyzed	
4/27/2011	<10	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed	
10/26/2011	<2.0	<3.0	<3.0	<3.0	<3.0	not analyzed	not analyzed	not analyzed	
4/20/2012	<5.0	<10	<5.0	<5.0	2.4	not analyzed	not analyzed	not analyzed	
10/26/2012	<5.0	<10	<5.0	<5.0	2.5	not analyzed	not analyzed	not analyzed	
DGC-8S									
12/20/2001	not sampled								
5/20/2003	4.0	10	1.0	18	1.0	5.0	not analyzed	not analyzed	
6/10/2004	4.0	8.0	<10	18	<10	6.0	not analyzed	not analyzed	
7/24/2004	not sampled								
9/14/2004	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	not analyzed	5.2	
10/18/2004	not sampled								
11/24/2004	<5.0	<5.0	<5.0	22	<5.0	6.8	<10	not analyzed	
12/22/2004	not sampled								
1/17/2005	not sampled								
4/5/2005	not sampled								
10/27/2005	10	17	<5.0	27	<5.0	not analyzed	not analyzed	not analyzed	
4/3/2006	<10	10	<5.0	20	<5.0	not analyzed	not analyzed	not analyzed	
10/12/2006	<10	12	<5.0	38	<5.0	not analyzed	not analyzed	not analyzed	
4/23/2007	<10	10	<5.0	16	<5.0	not analyzed	not analyzed	not analyzed	
10/4/2007	<10	11	<5.0	11	<5.0	not analyzed	not analyzed	not analyzed	
4/3/2008	<10	8.0	<5.0	16	<5.0	not analyzed	not analyzed	not analyzed	
10/10/2008	<10	10	<5.0	20	<5.0	not analyzed	not analyzed	not analyzed	
4/29/2009	<10	22	<5.0	15	<5.0	not analyzed	not analyzed	not analyzed	
10/13/2009	<10	6.8	<5.0	20	<5.0	not analyzed	not analyzed	not analyzed	
4/9/2010	<10	11	<5.0	14	<5.0	not analyzed	not analyzed	not analyzed	
10/14/2010	10	19	<5.0	7.3	<5.0	not analyzed	not analyzed	not analyzed	
4/27/2011	<10	17	<5.0	6.8	<5.0	not analyzed	not analyzed	not analyzed	
10/26/2011	<2.0	4.5	<3.0	4.9	<3.0	not analyzed	not analyzed	not analyzed	
4/20/2012	1.4	9.8	<5.0	13	<5.0	not analyzed	not analyzed	not analyzed	
10/26/2012	5.5	12	<5.0	10	<5.0	not analyzed	not analyzed	not analyzed	

All values reported in parts per billion (ug/L)

TOC = Total Organic Carbon

MtBE = Methyl Tertiary Butyl Ether

Bold values exceed NYSDEC groundwater standards

Volatile Organic Compounds analyzed by USEPA Method 624

TOC analyzed by EPA Method 415.1

Metabolic Acids include Acetic Acid, Butyric Acid, Lactic Acid, Propionic Acid and Pyruvic Acid

Underlined = Cis-1,2-Dichloroethene result reflects "1,2-Dichloroethene, Total"

TABLE 4**SUMMARY OF GOUNDWATER FIELD MEASUREMENTS**

Former Philmar Electronics Site
Mason Street
Morrisonville, Clinton County, New York
NYSDEC Site ID #510008

WELL ID/DATE	WATER QUALITY PARAMETER				
	Temp	S.C.	DO	PH	ORP
MW-6					
4/27/11	38.99	314	2.0	7.03	-211.0
10/26/11	54.45	684	0.4	7.03	-113.4
04/20/12	54.14	680	*	7.03	-110.2
10/26/12	54.50	1523	3.7	6.92	31.3
MW-7					
4/27/11	40.39	377	1.5	6.98	-8.3
10/26/11	54.48	752	3.5	7.05	-82.5
04/20/12	54.23	745	*	7.00	-82.1
10/26/12	52.86	843	0.9	6.56	-41.6
MW-9					
4/27/11	40.88	271	0.7	7.24	41.1
10/26/11	54.27	498	0.9	7.28	52.1
04/20/12	54.21	495	*	7.50	49.2
10/26/12	53.82	552	5.4	6.50	71.1
DGC-6S					
4/27/11	39.92	415	0.7	7.32	58.3
10/26/11	52.99	627	7.7	7.60	50.9
04/20/12	53.01	625	*	7.40	48.1
10/26/12	53.24	769	1.6	6.95	5.8
DGC-7S					
4/27/11	NM	NM	NM	NM	NM
10/26/11	52.63	673	4.1	6.96	197.6
04/20/12	52.61	670	*	7.00	185.8
10/26/12	56.26	872	5.5	6.71	67.0
DGC-8S					
4/27/11	40.01	506	1.0	7.15	-41.1
10/26/11	53.56	761	4.0	7.49	-21.9
04/20/12	52.79	755	*	7.31	-22.1
10/26/12	53.83	911	0.7	6.22	-24.5
Notes: Measurements obtained with YSI Model 556 multiprobe system meter. D.O. = Dissolved Oxygen in milligrams per Liter (mg/L or parts per million [ppm]) ORP = Oxygen-Reduction Potential in millivolts (mV) S.C. = Specific Conductance in microseimens per centimeter (uS/cm) Temp. = Groundwater Temperature in Degrees Fahrenheit pH measured in standard units * probe sensor malfunctioned during use					

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-27483-1

Client Project/Site: Philmar Electronics #510008

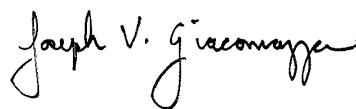
For:

New York State D.E.C.

625 Broadway

Albany, New York 12233

Attn: Greg Handly



Authorized for release by:

11/6/2012 1:13:55 PM

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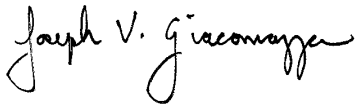
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Administrator
11/6/2012 1:13:55 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
RER	Relative error ratio
DER	Duplicate error ratio (normalized absolute difference)
DLC	Decision level concentration
RL	Reporting Limit or Requested Limit (Radiochemistry only)

Case Narrative

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Job ID: 480-27483-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-27483-1

Receipt

The samples were received on 10/30/2012 8:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

GC/MS VOA

No analytical or quality issues were noted.

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: MW-6
Date Collected: 10/26/12 13:10
Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-1
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 19:28	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 19:28	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 19:28	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 19:28	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 19:28	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 19:28	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 19:28	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/02/12 19:28	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 19:28	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 19:28	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 19:28	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 19:28	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 19:28	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 19:28	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 19:28	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 19:28	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 19:28	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 19:28	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 19:28	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 19:28	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 19:28	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 19:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 19:28	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 19:28	1
Toluene	ND		5.0	0.45	ug/L			11/02/12 19:28	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 19:28	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 19:28	1
Trichloroethene	2.0	J	5.0	0.60	ug/L			11/02/12 19:28	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/02/12 19:28	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/02/12 19:28	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/02/12 19:28	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 19:28	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/02/12 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		72 - 130		11/02/12 19:28	1
4-Bromofluorobenzene (Surr)	86		69 - 121		11/02/12 19:28	1
Toluene-d8 (Surr)	94		70 - 123		11/02/12 19:28	1

Client Sample ID: MW-7
Date Collected: 10/26/12 13:15
Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 19:51	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 19:51	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 19:51	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 19:51	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 19:51	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 19:51	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: MW-7

Lab Sample ID: 480-27483-2

Date Collected: 10/26/12 13:15

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 19:51	1
Chlorobenzene	3.3	J	5.0	0.48	ug/L			11/02/12 19:51	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 19:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 19:51	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 19:51	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 19:51	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 19:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 19:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 19:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 19:51	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 19:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 19:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 19:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 19:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 19:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 19:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 19:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 19:51	1
Toluene	ND		5.0	0.45	ug/L			11/02/12 19:51	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 19:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 19:51	1
Trichloroethene	0.88	J	5.0	0.60	ug/L			11/02/12 19:51	1
Vinyl chloride	5.3		5.0	0.75	ug/L			11/02/12 19:51	1
1,2-Dichlorobenzene	1.5	J	5.0	0.44	ug/L			11/02/12 19:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/02/12 19:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 19:51	1
1,4-Dichlorobenzene	0.61	J	5.0	0.51	ug/L			11/02/12 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		72 - 130					11/02/12 19:51	1
4-Bromofluorobenzene (Surr)	90		69 - 121					11/02/12 19:51	1
Toluene-d8 (Surr)	96		70 - 123					11/02/12 19:51	1

Client Sample ID: MW-9

Lab Sample ID: 480-27483-3

Date Collected: 10/26/12 13:20

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 20:14	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 20:14	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 20:14	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 20:14	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 20:14	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 20:14	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 20:14	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/02/12 20:14	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 20:14	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 20:14	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 20:14	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 20:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: MW-9

Lab Sample ID: 480-27483-3

Date Collected: 10/26/12 13:20

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 20:14	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 20:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 20:14	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 20:14	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 20:14	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 20:14	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 20:14	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 20:14	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 20:14	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 20:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 20:14	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 20:14	1
Toluene	ND		5.0	0.45	ug/L			11/02/12 20:14	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 20:14	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 20:14	1
Trichloroethene	1.3	J	5.0	0.60	ug/L			11/02/12 20:14	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/02/12 20:14	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/02/12 20:14	1
1,2-Dichloroethene, Total	3.5	J	10	3.2	ug/L			11/02/12 20:14	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 20:14	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/02/12 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		72 - 130					11/02/12 20:14	1
4-Bromofluorobenzene (Surr)	87		69 - 121					11/02/12 20:14	1
Toluene-d8 (Surr)	95		70 - 123					11/02/12 20:14	1

Client Sample ID: DEC6S

Lab Sample ID: 480-27483-4

Date Collected: 10/26/12 13:25

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 20:37	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 20:37	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 20:37	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 20:37	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 20:37	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 20:37	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 20:37	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/02/12 20:37	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 20:37	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 20:37	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 20:37	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 20:37	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 20:37	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 20:37	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 20:37	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 20:37	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 20:37	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 20:37	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: DEC6S

Lab Sample ID: 480-27483-4

Date Collected: 10/26/12 13:25

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 20:37	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 20:37	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 20:37	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 20:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 20:37	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 20:37	1
Toluene	ND		5.0	0.45	ug/L			11/02/12 20:37	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 20:37	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 20:37	1
Trichloroethene	ND		5.0	0.60	ug/L			11/02/12 20:37	1
Vinyl chloride	3.3	J	5.0	0.75	ug/L			11/02/12 20:37	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/02/12 20:37	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/02/12 20:37	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 20:37	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/02/12 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		72 - 130		11/02/12 20:37	1
4-Bromofluorobenzene (Surr)	87		69 - 121		11/02/12 20:37	1
Toluene-d8 (Surr)	94		70 - 123		11/02/12 20:37	1

Client Sample ID: DEC7S

Lab Sample ID: 480-27483-5

Date Collected: 10/26/12 13:30

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 21:01	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 21:01	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 21:01	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 21:01	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 21:01	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 21:01	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 21:01	1
Chlorobenzene	2.5	J	5.0	0.48	ug/L			11/02/12 21:01	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 21:01	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 21:01	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 21:01	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 21:01	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 21:01	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 21:01	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 21:01	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 21:01	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 21:01	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 21:01	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 21:01	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 21:01	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 21:01	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 21:01	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 21:01	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 21:01	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: DEC7S

Lab Sample ID: 480-27483-5

Date Collected: 10/26/12 13:30

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	0.45	ug/L			11/02/12 21:01	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 21:01	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 21:01	1
Trichloroethene	ND		5.0	0.60	ug/L			11/02/12 21:01	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/02/12 21:01	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/02/12 21:01	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/02/12 21:01	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 21:01	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/02/12 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		72 - 130					11/02/12 21:01	1
4-Bromofluorobenzene (Surr)	87		69 - 121					11/02/12 21:01	1
Toluene-d8 (Surr)	97		70 - 123					11/02/12 21:01	1

Client Sample ID: DEC8S

Lab Sample ID: 480-27483-6

Date Collected: 10/26/12 13:40

Matrix: Water

Date Received: 10/30/12 20:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			11/02/12 21:24	1
Acrylonitrile	ND		25	1.9	ug/L			11/02/12 21:24	1
Benzene	ND		5.0	0.60	ug/L			11/02/12 21:24	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/02/12 21:24	1
Bromoform	ND		5.0	0.47	ug/L			11/02/12 21:24	1
Bromomethane	ND		5.0	1.2	ug/L			11/02/12 21:24	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/02/12 21:24	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/02/12 21:24	1
Chloroethane	ND		5.0	0.87	ug/L			11/02/12 21:24	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/02/12 21:24	1
Chloroform	ND		5.0	0.54	ug/L			11/02/12 21:24	1
Chloromethane	ND		5.0	0.64	ug/L			11/02/12 21:24	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/02/12 21:24	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/02/12 21:24	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/02/12 21:24	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/02/12 21:24	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/02/12 21:24	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/02/12 21:24	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/02/12 21:24	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/02/12 21:24	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/02/12 21:24	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/02/12 21:24	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/02/12 21:24	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/02/12 21:24	1
Toluene	ND		5.0	0.45	ug/L			11/02/12 21:24	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/02/12 21:24	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/02/12 21:24	1
Trichloroethene	10		5.0	0.60	ug/L			11/02/12 21:24	1
Vinyl chloride	5.5		5.0	0.75	ug/L			11/02/12 21:24	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/02/12 21:24	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: DEC8S

Date Collected: 10/26/12 13:40

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-6

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	12		10	3.2	ug/L			11/02/12 21:24	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/02/12 21:24	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/02/12 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		72 - 130					11/02/12 21:24	1
4-Bromofluorobenzene (Surr)	87		69 - 121					11/02/12 21:24	1
Toluene-d8 (Surr)	94		70 - 123					11/02/12 21:24	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Client Sample ID: MW-6

Date Collected: 10/26/12 13:10

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 19:28	TRB	TAL BUF

Client Sample ID: MW-7

Date Collected: 10/26/12 13:15

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 19:51	TRB	TAL BUF

Client Sample ID: MW-9

Date Collected: 10/26/12 13:20

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 20:14	TRB	TAL BUF

Client Sample ID: DEC6S

Date Collected: 10/26/12 13:25

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 20:37	TRB	TAL BUF

Client Sample ID: DEC7S

Date Collected: 10/26/12 13:30

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 21:01	TRB	TAL BUF

Client Sample ID: DEC8S

Date Collected: 10/26/12 13:40

Date Received: 10/30/12 20:30

Lab Sample ID: 480-27483-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	88748	11/02/12 21:24	TRB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Philmar Electronics #510008

TestAmerica Job ID: 480-27483-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-27483-1	MW-6	Water	10/26/12 13:10	10/30/12 20:30
480-27483-2	MW-7	Water	10/26/12 13:15	10/30/12 20:30
480-27483-3	MW-9	Water	10/26/12 13:20	10/30/12 20:30
480-27483-4	DEC6S	Water	10/26/12 13:25	10/30/12 20:30
480-27483-5	DEC7S	Water	10/26/12 13:30	10/30/12 20:30
480-27483-6	DEC8S	Water	10/26/12 13:40	10/30/12 20:30

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-27483-1

Login Number: 27483

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	False	LAB TO CHECK