Woman Owned Business
Aztech Environmental
TECHNOLOGIES
5 McCrea Hill Road • Ballston Spa, New York 12020

January 30, 2018

Ms. Samantha Salotto
New York State Department of Environmental Conservation
Route 86, PO Box 296
Ray Brook, NY 12977-0296

Re: Remedial Progress Report
Former Philmar Electronics – Morrisonville, NY
NYSDEC Project #510008

Dear Ms. Salotto,

Aztech Environmental Technologies (Aztech) has prepared this letter to outline the remedial progress and provide a status update for groundwater analytical results at the former Philmar Electronics site, New York State Department of Environmental Conservation (NYSDEC) Project #510008 (**Figure 1**). The activities summarized in this correspondence were completed during the second half of 2018.

Remediation System

On April 19, 2018, the remediation system was off on arrival to the site. The groundwater depression pump was tested and determined to be not operational and later determined to be unrepairable. In May 2018 the NYSDEC decided not to replace the pump due to the planned remedial system upgrades. Remedial system upgrades are being performed to include treatment for per- and polyfluoroalkyl substances (PFAS). Remedial system upgrades include a new treatment system enclosure that will contain granular activated carbon (GACs) vessels to treat PFAS and VOCs in the groundwater.

Remedial system upgrade construction was started on October 22, 2018. System construction is expected to be completed by the spring of 2019 at which time the system will be operational.

The system is not currently operating. A summary of the pumping rates, as of April 19, 2018, are presented in **Table 1**. Approximately 33.1 million gallons of groundwater have been pumped through the remediation system between May 2004 and April 19, 2018.

Groundwater Gauging, Sampling and Analysis

Aztech surveyed the top of selected groundwater monitoring well casing elevations on September 7, 2011. The top of casing elevations were surveyed relative to a site datum of 100.00 feet using a Sokkia $C3_{30}$ 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**.

During the December 12, 2018 groundwater gauging event, monitoring wells MW-6, MW-7, MW-9, DGC-6S, DGC-7S and DGC-8S were gauged for liquid levels. Aztech determined depth to groundwater using an electronic oil/water interface indicator probe graduated in 0.01 feet increments. The depth to groundwater measurements were collected from the highest point of the well casing or from a surveyed mark. Groundwater elevations collected from April 2008 through December 12, 2018 are shown on Table 2.

The groundwater elevations collected on December 12, 2018 were plotted on the site map to determine groundwater flow direction and hydraulic gradient (**Figure 2**). During this groundwater gauging event, the overall groundwater flow direction was southeasterly beneath the site at an average hydraulic gradient of approximately 0.04 ft/ft.

During the December 12, 2018 groundwater sampling event monitoring wells MW-6, MW-7, MW-9, DGC-6S, DGC-7S and DGC-8S, along with the Trench and Discharge were sampled. After gauging the monitoring wells, groundwater was purged from the monitoring wells using dedicated, disposable bailers. The samples were placed in laboratory supplied bottles, placed on ice and transported to Test America, Inc. located in Amherst, New York. The samples were analyzed within the applicable holding time for volatile organic compounds (VOCs) using EPA Method 624.

The tabulated VOC laboratory analytical results are included in **Table 3**. **Figure 3** shows the VOC distribution in groundwater on December 12, 2018. A copy of the laboratory analytical report is attached to this letter.

A summary of the December 12, 2018 VOC groundwater analytical results is as follows:

- No compounds were detected at concentrations exceeding NYSDEC groundwater standards. All detected compounds were reported as estimated concentrations (J-values) and were less than 2.0 µg/l.
- No compounds were detected at concentrations exceeding the laboratory reporting limit (RL) at monitoring wells MW-6, DGC-6S and DGC-8S.
- 1,2-dichloroethene (total) was not detected in any of the groundwater samples at concentrations greater than the laboratory RL.
- Trichloroethene (TCE) was detected in the Trench at 1.9J µg/l, Discharge at 1.8J µg/l, MW-7 at 1.1J µg/l and MW-9 at 1.9J µg/l. When detected, all of the concentrations were estimated and less than the applicable NYSDEC groundwater standard of 5.0 µg/l. All other sampling locations either reported non-detect TCE results or concentrations below the NYSDEC groundwater standard.
- Vinyl chloride was detected in DGC-7S at 1.4J µg/l. All other sampling locations reported non-detect results, less than the RL of 5.0 µg/l. It should be noted that the laboratory analytical results for DGC-7S were flagged by the laboratory as estimated concentrations (J-values).

- Chlorobenzene was detected in DGC-7S at 1.2J µg/l. These values are estimated. All other analytical results were less than the laboratory RL of 5.0 µg/l.
- 1,4-dichlorobenzene was detected in the Trench at 0.88J µg/l and the Discharge at 0.83J µg/l. It should be noted that the laboratory analytical results were flagged by the laboratory as estimated concentrations (J-values).
- The remaining VOCs were either not detected or were below the NYSDEC groundwater standards in the sampled monitoring wells on April 19, 2018.

Based on the December 12, 2018 groundwater analytical results, decreases in the VOC concentrations were observed from April to December 2018 in MW-9, DGC-8S, Trench and Discharge. VOC impacted groundwater appears to be present downgradient of the leach field (MW-7) and collection trench (MW-9). VOC impacts are also detected upgradient of the leach field (DGC-7S).

Groundwater Field Measurements

Groundwater field measurements consisting of temperature; specific conductance; dissolved oxygen; pH; and, oxidation-reduction potential (ORP) were collected on December 12, 2018. These measurements are presented on **Table 4**. Based on the measurements collected on December 12, 2018, it appears the groundwater was generally aerobic; which is not favorable for chlorinated VOC reduction in the groundwater.

Summary and Recommendations

The December 12, 2018 semiannual groundwater sampling event included the collection of liquid levels from monitoring wells MW-6, MW-7, MW-9, DGC-6S, DGC-7S and DGC-8S. Groundwater samples for VOCs were collected from MW-6, MW-7, MW-9, DGC-6S, DGC-7S, DGC-8S, along with the Trench and Discharge on December 12, 2018. Monitoring wells MW-6, DGC-6S and DGC-8S reported non-detectable concentrations of VOCs on that date. No compounds were detected at concentrations exceeding NYSDEC groundwater standards in all of the samples collected. In general the VOC concentrations appear to be decreasing over time.

On December 12, 2018, the groundwater in the targeted monitoring wells appeared to be aerobic which is generally not favorable for reduction of chlorinated VOCs.

Upgrades to the current groundwater extraction system are currently under construction. These upgrades include a new treatment system enclosure that will contain granular activated carbon (GACs) vessels to treat PFAS and VOCs in the groundwater. Aztech anticipates the new remedial system will be operational in the spring of 2019.

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

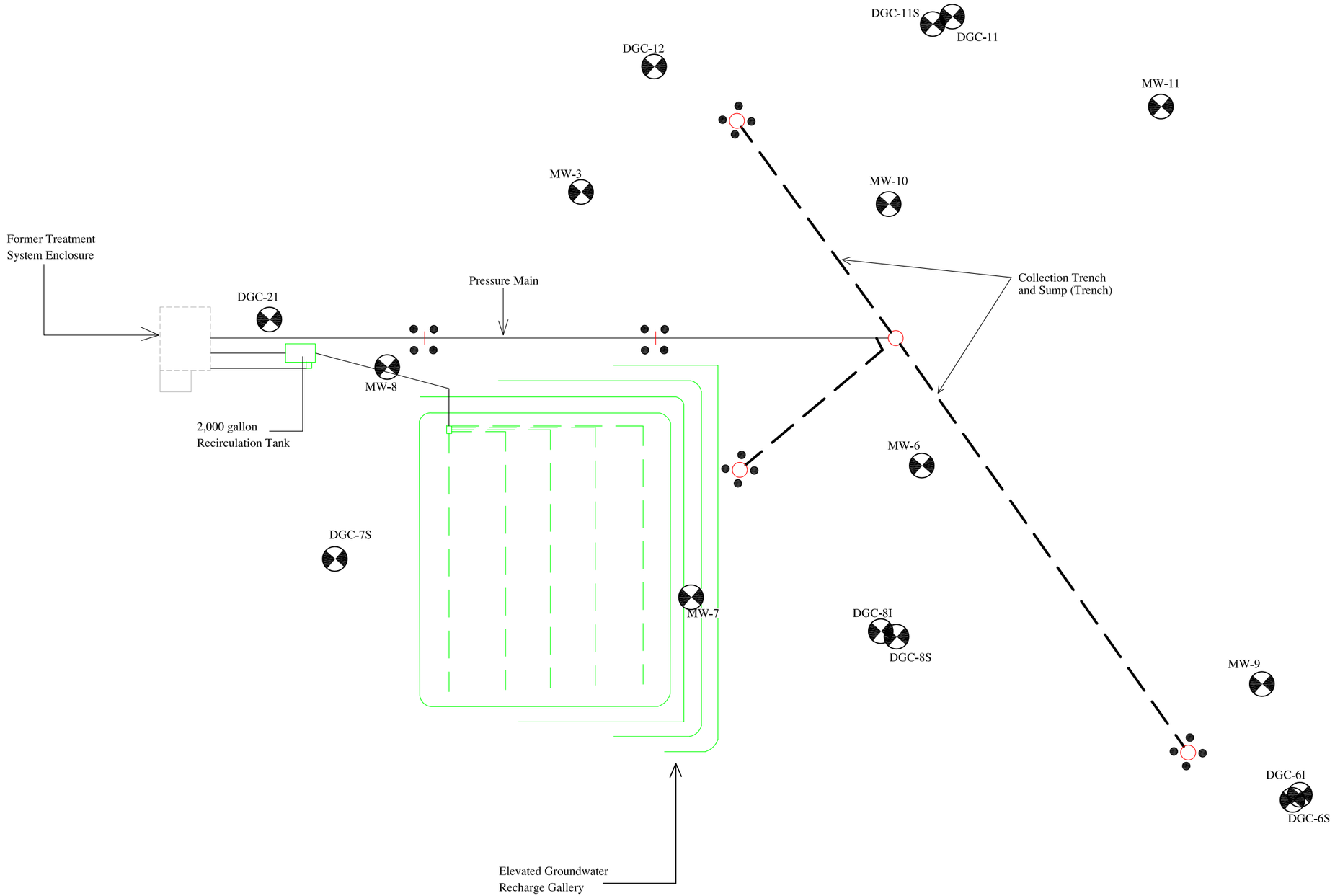
Sincerely,
Aztech Environmental Technologies

William Toran, P.G.
Qualified Environmental Professional

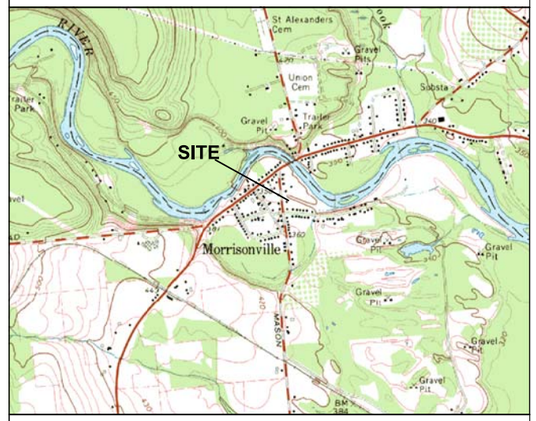
Aaron Yecies, PG - NY, CPG-11572
Qualified Environmental Professional

ATTACHMENTS
Figures
Tables
Laboratory Analytical Reports

CC: File



AREA OVERVIEW



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'

SITE MAP

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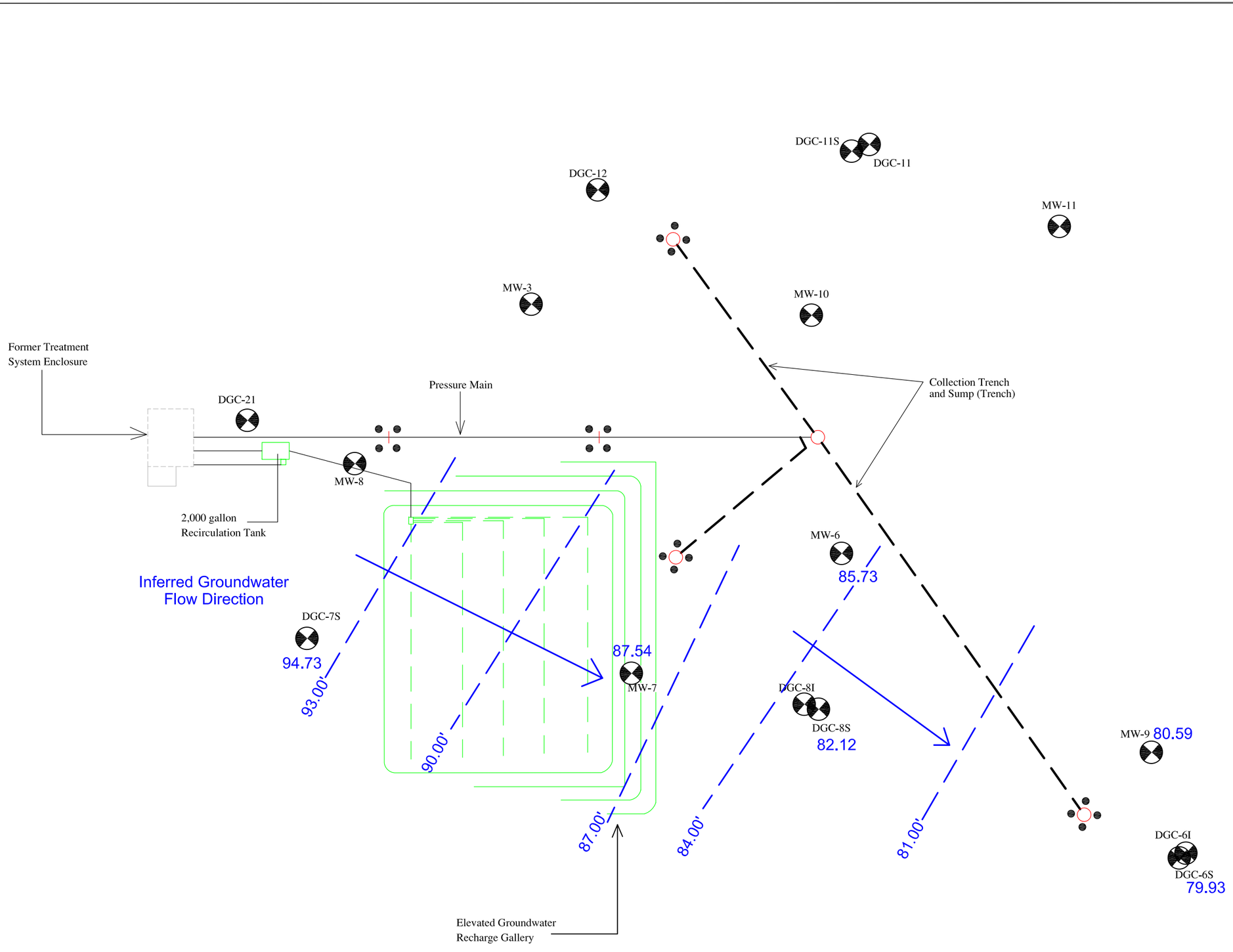
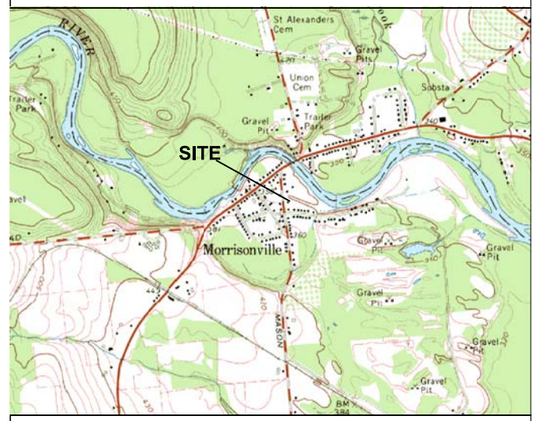


AREA OVERVIEW



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: 12/12/18 | 1" = 40'

Groundwater Contour Map

Contour Interval = 4.0 feet

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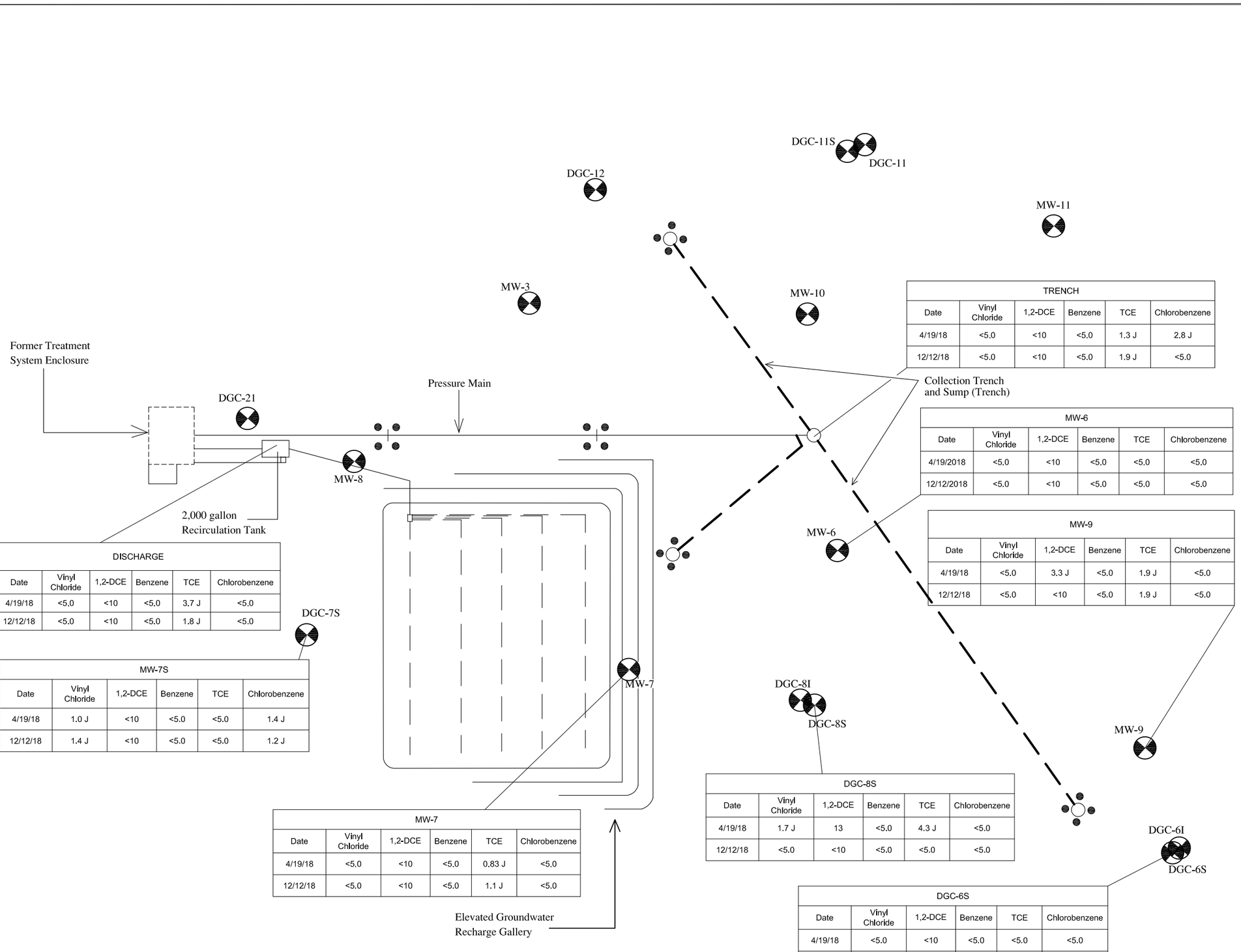


TRENCH					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	<5.0	<10	<5.0	1.3 J	2.8 J
12/12/18	<5.0	<10	<5.0	1.9 J	<5.0

Collection Trench and Sump (Trench)

MW-6					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/2018	<5.0	<10	<5.0	<5.0	<5.0
12/12/2018	<5.0	<10	<5.0	<5.0	<5.0

MW-9					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	<5.0	3.3 J	<5.0	1.9 J	<5.0
12/12/18	<5.0	<10	<5.0	1.9 J	<5.0

DISCHARGE					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	<5.0	<10	<5.0	3.7 J	<5.0
12/12/18	<5.0	<10	<5.0	1.8 J	<5.0

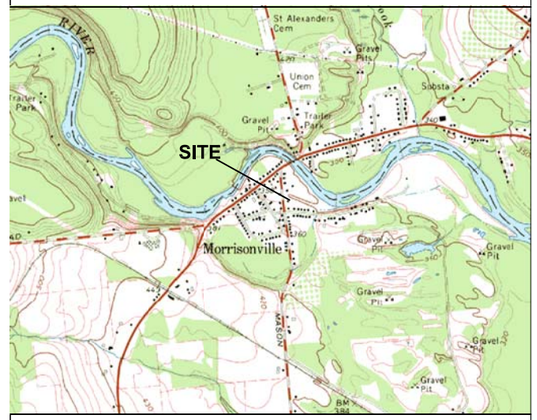
MW-7S					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	1.0 J	<10	<5.0	<5.0	1.4 J
12/12/18	1.4 J	<10	<5.0	<5.0	1.2 J

MW-7					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	<5.0	<10	<5.0	0.83 J	<5.0
12/12/18	<5.0	<10	<5.0	1.1 J	<5.0

DGC-8S					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	1.7 J	13	<5.0	4.3 J	<5.0
12/12/18	<5.0	<10	<5.0	<5.0	<5.0

DGC-6S					
Date	Vinyl Chloride	1,2-DCE	Benzene	TCE	Chlorobenzene
4/19/18	<5.0	<10	<5.0	<5.0	<5.0
12/12/18	<5.0	<10	<5.0	<5.0	<5.0

AREA OVERVIEW



Legend:

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

cis 1,2 DCE = cis 1,2–Dichloroethene
TCE = Trichloroethene
J = Approximated value
NS = Not Sampled

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

Figure 3

DATE: 12/12/18 | 1" = 40'

VOC DISTRIBUTION MAP

Concentration listed in micrograms per liter (ug/L)

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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

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)
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
2/16/2013	64	5,772,162	284,494	4,445	3.09	18
4/26/2013	69	6,295,497	523,335	7,585	5.27	13
6/5/2013	40	6,635,000	339,503	8,488	5.89	13
8/15/2013	71	7,600,613	965,613	13,600	9.44	13
10/8/2013	54	7,769,060	168,447	3,119	2.17	32
12/13/2013	66	7,995,622	226,562	3,433	2.38	32
2/13/2014	62	8,246,420	250,798	4,045	2.81	32
4/8/2014	54	8,476,860	230,440	4,267	2.96	4.8
6/8/2014	61	9,229,540	752,680	12,339	8.57	4.8
8/11/2014	64	9,638,688	409,148	6,393	4.44	4.8
8/21/2014	Removed Submersible Pump					
10/6/2014	Reinstalled Submersible Pump					
10/6/2014	56	9,639,564	876	16	0.01	2.6 J
12/24/2014	79	9,880,369	240,805	3,048	2.12	2.6 J
2/17/2015	55	10,137,534	257,165	4,676	3.25	2.6 J
4/30/2015	72	10,480,524	342,990	4,764	3.31	8.1 J
6/9/2015	40	10,689,638	209,114	5,228	3.63	8.1 J
8/18/2015	71	11,233,821	544,183	7,665	5.32	19
10/14/2015	58	11,375,905	142,084	2,450	1.70	19
12/4/2015	52	11,517,944	142,039	2,732	1.90	19
2/10/2016	68	11,824,821	306,877	4,513	3.13	8.7
3/28/2016	47	12,170,770	345,949	7,361	5.11	8.7
6/16/2016	80	12,812,578	641,808	8,023	5.57	8.7
8/17/2016	62	13,012,219	199,641	3,220	2.24	8.7
8/17/2016	Removed Submersible Pump					
10/20/2016	Installed New Submersible Pump					
10/20/2016	64	13,012,599	380	6	0.00	18 J
12/30/2016	71	13,360,200	347,601	4,896	3.40	18 J
2/14/2017	46	13,363,415	3,215	70	0.05	18 J
4/12/2017	57	13,776,568	413,153	7,248	5.03	1.7 J
6/22/2017	71	14,665,677	889,109	12,523	8.70	1.7 J
8/22/2017	61	15,170,400	504,723	8,274	5.75	1.7 J
10/3/2017	42	15,310,672	140,272	3,340	2.32	18.1 J
12/20/2017	78	15,573,628	262,956	3,371	2.34	18.1 J
2/26/2018	68	15,843,496	269,868	3,969	2.76	18.1 J
4/19/2018	52	15,883,173	39,677	763	0.53	4.9 J
4/19/2018	Removed Submersible Pump					
Cumulative	**5,086**		**33,095,718**			

TABLE 2

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

MONITORING WELL DESIGNATION		MW-3	MW-6	MW-7	MW-9	MW-10	DGC-6S	DGC-7S	DGC-8S	DGC-11S	DGC-12	DGC-21
TOP OF CASING		NA	89.72	92.04	84.24	NA	83.97	100.00	87.78	NA	NA	NA
BOTTOM OF MONITORING WELL			70.27	73.64	69.24		61.62	79.53	66.58			
MEASUREMENT DATE	**Gauging Data**		**GROUNDWATER ELEVATIONS**									
4/3/2008	Elevation		**85.75**	**88.43**	**NA**		**81.44**	**95.97**	**85.85**			
	DTW		3.97	3.61	NA		2.53	4.03	1.93			
10/13/2008	Elevation		**83.02**	**85.19**	**77.59**		**78.38**	**92.25**	**84.23**			
	DTW		6.70	6.85	6.65		5.59	7.75	3.55			
4/29/2009	Elevation		**84.28**	**88.31**	**79.60**		**79.27**	**95.19**	**85.50**			
	DTW		5.44	3.73	4.64		4.70	4.81	2.28			
10/13/2009	Elevation		**83.73**	**87.45**	**78.31**		**79.32**	**94.84**	**85.45**			
	DTW		5.99	4.59	5.93		4.65	5.16	2.33			
4/9/2010	Elevation		**85.97**	**88.59**	**81.10**		**80.71**	**96.05**	**85.92**			
	DTW		3.75	3.45	3.14		3.26	3.95	1.86			
10/14/2010	Elevation		**84.39**	**88.01**	**79.92**		**79.95**	**95.38**	**85.36**			
	DTW		5.33	4.03	4.32		4.02	4.62	2.42			
4/27/2011	Elevation		**86.17**	**89.53**	**82.19**		**81.83**	**97.09**	**86.17**			
	DTW		3.55	2.51	2.05		2.14	2.91	1.61			
10/26/2011	Elevation		**85.51**	**88.77**	**80.18**		**80.28**	**95.51**	**85.84**			
	DTW		4.21	3.27	4.06		3.69	4.49	1.94			
4/20/2012	Elevation		**83.20**	**87.50**	**78.87**		**77.63**	**94.41**	**84.90**			
	DTW		6.52	4.54	5.37		6.34	5.59	2.88			
10/26/2012	Elevation		**82.82**	**87.46**	**77.73**		**79.59**	**94.83**	**85.13**			
	DTW		6.90	4.58	6.51		4.38	5.17	2.65			
4/26/2013	Elevation		**85.28**	**88.71**	**79.79**		**79.82**	**95.02**	**85.54**			
	DTW		4.44	3.33	4.45		4.15	4.98	2.24			
10/8/2013	Elevation		**79.35**	**85.69**	**76.57**		**77.34**	**93.58**	**83.90**			
	DTW		10.37	6.35	7.67		6.63	6.42	3.88			
4/8/2014	Elevation		**86.52**	**89.17**	**NA**		**81.72**	**93.76**	**85.10**			
	DTW		3.20	2.87	NG		2.25	6.24	2.68			
10/6/2014	Elevation		**82.32**	**84.46**	**75.40**		**77.38**	**92.09**	**79.06**			
	DTW		7.40	7.58	8.84		6.59	7.91	8.72			
4/30/2015	Elevation		**85.16**	**88.52**	**79.73**		**79.92**	**94.71**	**85.69**			
	DTW		4.56	3.52	4.51		4.05	5.29	2.09			
10/14/2015	Elevation		**78.93**	**85.46**	**76.09**		**77.60**	**92.91**	**83.32**			
	DTW		10.79	6.58	8.15		6.37	7.09	4.46			
4/13/2016	Elevation		**85.82**	**89.05**	**80.87**		**80.58**	**95.49**	**85.91**			
	DTW		3.90	2.99	3.37		3.39	4.51	1.87			
10/20/2016	Elevation		**78.57**	**83.43**	**72.92**		**73.43**	**89.86**	**80.35**			
	DTW		11.15	8.61	11.32		10.54	10.14	7.43			
4/12/2017	Elevation		**86.03**	**89.32**	**81.65**		**81.36**	**95.87**	**85.98**			
	DTW		3.69	2.72	2.59		2.61	4.13	1.80			
10/10/2017	Elevation	**NA**	**80.61**	**86.60**	**76.33**	**NA**	**77.59**	**94.04**	**85.46**	**NA**	**NA**	**NA**
	DTW	13.55	9.11	5.44	7.91	17.62	6.38	5.96	2.32	20.34	14.33	10.97
11/1/2017	Elevation	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	DTW	13.04	NG	NG	NG	17.35	NG	NG	NG	21.02	14.23	10.62
4/19/2018	Elevation	**NA**	**86.04**	**88.21**	**80.99**	**NA**	**80.23**	**95.85**	**85.09**	**NA**	**NA**	**NA**
	DTW	NG	3.68	3.83	3.25	NG	3.74	4.15	2.69	NG	NG	NG
12/12/2018	Elevation	**NA**	**85.73**	**87.54**	**80.59**	**NA**	**79.93**	**94.73**	**82.12**	**NA**	**NA**	**NA**
	DTW	NG	3.99	4.50	3.65	NG	4.04	5.27	5.66	NG	NG	NG

Top of casing - elevations surveyed to arbitraty benchmark of 100 feet on September 7, 2011
Elevations are presented in feet based on arbitrary datum of 100.00 feet
DTW = Depth to Water in Feet NA = Not Applicable
NG = Not Gauged

TABLE 3

GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
Former Philmar Electronics Site
Mason Street, Morrisonville, Clinton County, New York
NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	1,2-Dichloroethene*	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	TOC
Groundwater Standards	2	5	1	5	5	10		
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							
4/26/2013	<5.0	3.2 J	<5.0	**10**	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	<5.0	**5.8 J**	<5.0	**26**	<5.0	not analyzed	not analyzed	not analyzed
4/8/2014	<5.0	<10	<5.0	4.8 J	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	<5.0	<10	<5.0	2.6 J	<5.0	not analyzed	not analyzed	not analyzed
4/30/2015	<5.0	3.5 J	<5.0	4.6 J	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	<5.0	4.2 J	<5.0	**15**	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	1.0 J	3.2 J	<5.0	4.5 J	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	1.5 J	1.7 J	<5.0	**6.8**	**7.5**	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	1.7 J	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	<5.0	**6.5 J**	<5.0	**11**	0.58 J	not analyzed	not analyzed	not analyzed
4/19/2018	<5.0	<10	<5.0	1.3 J	2.8 J	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	1.9 J	<5.0	not analyzed	not analyzed	not analyzed
DISCHARGE								
12/20/2001	**71**	**300**	4.0	**900**	**21**	10	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							
4/26/2013	**2.8 J**	**5.1 J**	<5.0	**6.3**	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	**2.8 J**	**6.9 J**	<5.0	**12**	<5.0	not analyzed	not analyzed	not analyzed

TABLE 3

GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Philmar Electronics Site

Mason Street, Morrisonville, Clinton County, New York

NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	1,2-Dichloroethene*	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	TOC
DISCHARGE (Continued)								
4/8/2014	1.3 J	3.7 J	<5.0	4.9 J	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	1.2 J	<5.0	<5.0	3.9 J	3.9 J	not analyzed	not analyzed	not analyzed
4/30/2015	0.8 J	3.2 J	< 5.0	**5.6**	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	1.4 J	4.9 J	<5.0	**8.4**	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	0.76 J	3.6 J	<5.0	4.1 J	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	<5.0	<10	<5.0	**7.5**	<5.0	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	3.3 J	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	samples broken on arrival at laboratory							
4/19/2018	<5.0	<10	<5.0	3.7 J	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	1.8J	<5.0	not analyzed	not analyzed	not analyzed
MW-3								
10/10/2017	<5.0	<10	<5.0	1.9 J	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	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
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
4/26/2013	<5.0	<5.0	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	<5.0	3.4 J	<5.0	1.5 J	<5.0	not analyzed	not analyzed	not analyzed
4/8/2014	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	1.3 J	<10	<5.0	1.0 J	<5.0	not analyzed	not analyzed	not analyzed
4/30/2015	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	<5.0	3.8 J	<5.0	1.5 J	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	1.3 J	<10	<5.0	1.1 J	<5.0	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	<5.0	<10	<5.0	2.0 J	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	<5.0	<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							

TABLE 3

GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Philmar Electronics Site

Mason Street, Morrisonville, Clinton County, New York

NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	1,2-Dichloroethene*	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	TOC
MW-7 (Continued)								
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
4/26/2013	<5.0	<10	<5.0	3.1 J	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	**4.6 J**	<10	<5.0	<5.0	1.8 J	not analyzed	not analyzed	not analyzed
4/8/2014	1.8 J	<10	<5.0	1.2 J	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	**5.0**	<10	<5.0	<5.0	2.9 J	not analyzed	not analyzed	not analyzed
4/30/2015	<5.0	<1.0	<5.0	1.4 J	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	<5.0	0.50 J	<5.0	<5.0	3.3 J	not analyzed	not analyzed	not analyzed
4/13/2016	<5.0	<10	<5.0	1.3 J	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	1.9 J	4.4 J	<5.0	<5.0	0.8 J	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	1.6 J	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	1.3 J	<10	<5.0	0.88 J	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	<5.0	<10	<5.0	0.83 J	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	1.1 J	<5.0	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
4/26/2013	<5.0	**5.6 J**	<5.0	3.5 J	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	**11**	**25**	<5.0	**6.8**	<5.0	not analyzed	not analyzed	not analyzed
4/8/2014	Monitoring Well Not Accessible - Surrounded by Surface Water							
10/6/2014	**38**	**62**	0.65 J	**15**	1.1 J	not analyzed	not analyzed	not analyzed
4/30/2015	<5.0	3.6 J	<5.0	2.6 J	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	**12**	**32**	<5.0	**12**	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	<5.0	3.9 J	<5.0	3.2 J	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	**2.2 J**	**18**	<5.0	3.3 J	<5.0	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	2.0 J	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	**3.0 J**	**21**	<5.0	**5.5**	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	<5.0	3.3 J	<5.0	1.9 J	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	1.9 J	<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 - 4/12/2017	not sampled							
10/10/2017	<5.0	<10	<5.0	1.0 J	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	not sampled							

TABLE 3

GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Philmar Electronics Site

Mason Street, Morrisonville, Clinton County, New York

NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	1,2-Dichloroethene*	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	TOC
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 - 4/12/2017	not sampled							
10/10/2017	not sampled - monitoring well recorded as being dry							
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							
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
4/26/2013	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/8/2014	**3.0 J**	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	**2.5 J**	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/30/2015	1.0 J	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	1.3 J	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	1.1 J	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/12/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<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
7/24/2004 - 4/19/2018	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

TABLE 3

GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Philmar Electronics Site

Mason Street, Morrisonville, Clinton County, New York

NYSDEC Site ID #510008

WELL ID/DATE	GROUNDWATER ANALYTICAL RESULTS							
	Vinyl Chloride	1,2-Dichloroethene*	Benzene	Trichloroethene	Chlorobenzene	MtBE	Total Metabolic Acid	TOC
DGC-7S (Continued)								
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
4/26/2013	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	<5.0	<10	<5.0	<5.0	3.0 J	not analyzed	not analyzed	not analyzed
4/8/2014	0.95 J	<1.0	<5.0	<5.0	3.3 J	not analyzed	not analyzed	not analyzed
10/6/2014	<5.0	<10	<5.0	<5.0	**5.4**	not analyzed	not analyzed	not analyzed
4/30/2015	1.6 J	<10	<5.0	<5.0	2.0 J	not analyzed	not analyzed	not analyzed
10/14/2015	2.7 J	<10	<5.0	<5.0	1.3 J	not analyzed	not analyzed	not analyzed
4/13/2016	2.0 J	<10	<5.0	<5.0	1.0 J	not analyzed	not analyzed	not analyzed
10/20/2016	**9.4**	<10	0.6 J	0.6 J	**6.5**	not analyzed	not analyzed	not analyzed
4/12/2017	**3.6 J**	<10	<5.0	<5.0	1.9 J	not analyzed	not analyzed	not analyzed
10/10/2017	0.97 J	<10	<5.0	<5.0	3.1 J	not analyzed	not analyzed	not analyzed
4/19/2018	1.0 J	<10	<5.0	<5.0	1.4 J	not analyzed	not analyzed	not analyzed
12/12/2018	1.4J	<10	<5.0	<5.0	1.2J	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
4/26/2013	**2.8 J**	**11**	<5.0	**9.4**	<5.0	not analyzed	not analyzed	not analyzed
10/8/2013	**4.3 J**	**17**	<5.0	**15**	<5.0	not analyzed	not analyzed	not analyzed
4/8/2014	1.9 J	**13**	<5.0	**9.0**	<5.0	not analyzed	not analyzed	not analyzed
10/6/2014	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/30/2015	1.8 J	**13**	<5.0	**8.0**	<5.0	not analyzed	not analyzed	not analyzed
10/14/2015	2.9 J	**15**	<5.0	**6.3**	<5.0	not analyzed	not analyzed	not analyzed
4/13/2016	1.2 J	**12**	<5.0	**7.8**	<5.0	not analyzed	not analyzed	not analyzed
10/20/2016	**3.6 J**	**18**	<5.0	3.2 J	<5.0	not analyzed	not analyzed	not analyzed
4/12/2017	1.9 J	**14**	<5.0	**7.1**	<5.0	not analyzed	not analyzed	not analyzed
10/10/2017	2.0 J	**18**	<5.0	**8.3**	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	1.7 J	**13**	<5.0	4.3 J	<5.0	not analyzed	not analyzed	not analyzed
12/12/2018	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
DGC-11S								
10/10/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	not sampled							
DGC-12								
10/10/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	not sampled							
DGC-21								
10/10/2017	<5.0	<10	<5.0	<5.0	<5.0	not analyzed	not analyzed	not analyzed
4/19/2018	not sampled							

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"

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximated value

* = Refers to either Cis-1,2-Dichloroethene or 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	2.02	7.03	-211.00
10/26/11	54.45	684	0.43	7.03	-113.40
04/20/12	54.14	680	*	7.03	-110.2
10/26/12	54.50	1,523	3.72	6.92	31.3
04/26/13	42.50	423	1.47	7.69	-5.1
10/08/13	54.57	1,087	3.80	6.74	-122.8
04/08/14	NM	NM	NM	NM	NM
10/06/14	56.21	540	5.60	3.34	-201.8
04/30/15	38.64	722	1.47	7.01	44.7
10/14/15	55.23	1,135	1.08	6.92	-82.1
04/13/16	37.81	581	0.56	7.10	-28.2
04/12/17	38.08	606	3.49	7.89	72.1
10/10/17	55.96	1,174	1.91	8.25	-90.1
04/19/18	39.36	832	8.03	8.91	205.7
12/12/18	41.90	1,100	4.66	6.79	-31.8
MW-7					
4/27/11	40.39	377	1.51	6.98	-8.3
10/26/11	54.48	752	3.47	7.05	-82.5
04/20/12	54.23	745	*	7.00	-82.1
10/26/12	52.86	843	0.93	6.56	-41.6
04/26/13	42.18	411	5.76	7.53	-35.4
10/08/13	55.67	739	1.58	6.97	-35.7
04/08/14	NM	NM	NM	NM	NM
10/06/14	53.65	430	4.87	3.47	-152.7
04/30/15	38.07	803	1.42	3.67	623.7
10/14/15	53.83	807	0.31	6.88	-61.5
04/13/16	39.74	657	2.92	7.26	2.9
04/12/17	40.10	861	2.81	7.85	30.4
10/10/17	54.39	826	0.60	7.86	-65.9
04/19/18	39.54	722	1.78	8.91	23.0
12/12/18	44.55	897	5.60	6.80	45.2
MW-9					
4/27/11	40.88	271	0.66	7.24	41.1
10/26/11	54.27	498	0.86	7.28	52.1
04/20/12	54.21	495	*	7.50	49.2
10/26/12	53.82	552	5.40	6.50	71.1
04/26/13	43.69	244	3.72	7.92	-20.3
10/08/13	57.13	535	4.60	7.02	55.3
04/08/14	NM	NM	NM	NM	NM
10/06/14	58.19	410	4.59	6.95	-273.2
04/30/15	42.01	470	2.46	2.31	668.4
10/14/15	56.68	693	2.05	7.16	-76.4
04/13/16	39.79	219	5.44	7.52	221.6
04/12/17	45.07	274	6.00	7.94	76.7
10/10/17	57.60	626	0.57	7.51	-48.2
04/19/18	39.16	450	3.90	9.12	196.8
12/12/18	40.06	754	8.23	7.00	29.7
DGC-6S					
4/27/11	39.92	415	0.70	7.32	58.3
10/26/11	52.99	627	7.72	7.60	50.9
04/20/12	53.01	625	*	7.40	48.1
10/26/12	53.24	769	1.58	6.95	5.8
04/26/13	41.60	471	1.22	7.89	-9.1
10/08/13	54.45	748	*	7.36	94.4
04/08/14	NM	NM	NM	NM	NM
10/06/14	55.83	360	7.07	5.58	-246.3
04/30/15	39.87	836	7.20	5.43	546.7

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
DGC-6S (Continued)					
10/14/15	54.28	726	0.98	7.29	38.7
04/13/16	37.47	830	1.16	7.36	237.9
04/12/17	41.79	989	4.04	8.01	82.9
10/10/17	53.80	857	7.97	7.28	22.8
04/19/18	37.24	680	1.19	8.87	9.6
12/12/18	41.36	824	5.20	7.00	27.1
DGC-7S					
4/27/11	NM	NM	NM	NM	NM
10/26/11	52.63	673	4.08	6.96	197.6
04/20/12	52.61	670	*	7.00	185.8
10/26/12	56.26	872	5.50	6.71	67.0
04/26/13	NM	NM	NM	NM	NM
10/08/13	NM	NM	NM	NM	NM
04/08/14	NM	NM	NM	NM	NM
10/06/14	55.53	380	7.63	7.89	-313.2
04/30/15	39.00	1,308	1.73	6.79	92.4
10/14/15	55.56	1,054	0.73	6.82	-1.2
04/13/16	36.55	1,206	0.75	6.84	242.3
04/12/17	35.02	1,307	5.11	7.98	185.8
10/10/17	55.87	1,047	4.22	6.65	69.4
04/19/18	35.65	940	0.78	8.67	104.6
12/12/18	40.80	954	4.89	6.91	56.4
DGC-8S					
4/27/11	40.01	506	1.01	7.15	-41.1
10/26/11	53.56	761	3.98	7.49	-21.9
04/20/12	52.79	755	*	7.31	-22.1
10/26/12	53.83	911	0.74	6.22	-24.5
04/26/13	42.28	539	2.67	7.83	-34.5
10/08/13	55.26	893	2.03	6.93	-1.6
04/08/14	NM	NM	NM	NM	NM
10/06/14	55.06	380	10.83	5.37	-252.7
04/30/15	39.96	917	1.60	7.00	41.5
10/14/15	54.10	869	0.62	8.69	-21.2
04/13/16	38.44	846	2.66	7.29	63.5
04/12/17	38.82	1,049	3.19	7.90	29.2
10/10/17	55.15	952	1.47	7.02	-24.1
04/19/18	40.35	932	1.70	8.77	28.3
12/12/18	46.60	305	16.92	7.21	-24.2

Notes:
Measurements obtained with YSI Model 556 multiprobe system meter.
D.O. = Dissolved Oxygen in milligams 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
NM = Not Measured
* probe sensor malfunctioned during use

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-146781-1
Client Project/Site: Philmar Electronics #510008
Revision: 1

For:
New York State D.E.C.
1115 Route 86
PO BOX 296
Ray Brook, New York 12977

Attn: Samantha Salotto

Authorized for release by:
1/2/2019 8:50:21 AM

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LINKS

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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.

Judy Stone
Senior Project Manager
1/2/2019 8:50:22 AM

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-146781-1

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-146781-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-146781-1

Revision (1)
The report was revised at the request of the client to correct sample IDs. The chain of custody was very difficult to read.

Receipt
The samples were received on 12/14/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 624.1: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: DEC 7S (480-146781-1), DISCH (480-146781-2), TRENCH (480-146781-3), MW9 (480-146781-4), DEC 6S (480-146781-5), MW 7 (480-146781-6), DEC 8S (480-146781-7) and MW 6 (480-146781-8). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: DGC 7S

Lab Sample ID: 480-146781-1

Date Collected: 12/12/18 11:00
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 12:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 12:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 12:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 12:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 12:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 12:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 12:25	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 12:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 12:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 12:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 12:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 12:25	1
Acrolein	ND		100	17	ug/L			12/18/18 12:25	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 12:25	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 12:25	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 12:25	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 12:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 12:25	1
Chlorobenzene	**1.2**	**J**	5.0	0.48	ug/L			12/18/18 12:25	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 12:25	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 12:25	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 12:25	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 12:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 12:25	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 12:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 12:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 12:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 12:25	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 12:25	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 12:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 12:25	1
Trichloroethene	ND		5.0	0.60	ug/L			12/18/18 12:25	1
Vinyl chloride	**1.4**	**J**	5.0	0.75	ug/L			12/18/18 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*12/18/18 12:25*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*12/18/18 12:25*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*12/18/18 12:25*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/18/18 12:25*	*1*

Client Sample ID: DISCH

Lab Sample ID: 480-146781-2

Date Collected: 12/12/18 11:05
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 12:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 12:48	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 12:48	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 12:48	1

Client Sample ID: DISCH

Lab Sample ID: 480-146781-2

Date Collected: 12/12/18 11:05
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 12:48	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 12:48	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 12:48	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 12:48	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 12:48	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 12:48	1
1,4-Dichlorobenzene	**0.83**	**J**	5.0	0.51	ug/L			12/18/18 12:48	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 12:48	1
Acrolein	ND		100	17	ug/L			12/18/18 12:48	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 12:48	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 12:48	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 12:48	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 12:48	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 12:48	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 12:48	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 12:48	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 12:48	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 12:48	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 12:48	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 12:48	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 12:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 12:48	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 12:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 12:48	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 12:48	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 12:48	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 12:48	1
Trichloroethene	**1.8**	**J**	5.0	0.60	ug/L			12/18/18 12:48	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*12/18/18 12:48*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*12/18/18 12:48*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*12/18/18 12:48*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/18/18 12:48*	*1*

Client Sample ID: TRENCH

Lab Sample ID: 480-146781-3

Date Collected: 12/12/18 11:20
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 13:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 13:12	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 13:12	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 13:12	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 13:12	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 13:12	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 13:12	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 13:12	1

Client Sample ID: TRENCH

Lab Sample ID: 480-146781-3

Date Collected: 12/12/18 11:20

Matrix: Water

Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 13:12	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 13:12	1
1,4-Dichlorobenzene	**0.88**	**J**	5.0	0.51	ug/L			12/18/18 13:12	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 13:12	1
Acrolein	ND		100	17	ug/L			12/18/18 13:12	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 13:12	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 13:12	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 13:12	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 13:12	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 13:12	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 13:12	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 13:12	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 13:12	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 13:12	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 13:12	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 13:12	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 13:12	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 13:12	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 13:12	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 13:12	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 13:12	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 13:12	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 13:12	1
Trichloroethene	**1.9**	**J**	5.0	0.60	ug/L			12/18/18 13:12	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/18/18 13:12*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*12/18/18 13:12*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*12/18/18 13:12*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/18/18 13:12*	*1*

Client Sample ID: MW9

Lab Sample ID: 480-146781-4

Date Collected: 12/12/18 11:30

Matrix: Water

Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 13:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 13:35	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 13:35	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 13:35	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 13:35	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 13:35	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 13:35	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 13:35	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 13:35	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 13:35	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 13:35	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 13:35	1

Client Sample ID: MW9

Date Collected: 12/12/18 11:30
Date Received: 12/14/18 01:00

Lab Sample ID: 480-146781-4

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			12/18/18 13:35	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 13:35	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 13:35	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 13:35	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 13:35	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 13:35	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 13:35	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 13:35	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 13:35	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 13:35	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 13:35	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 13:35	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 13:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 13:35	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 13:35	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 13:35	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 13:35	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 13:35	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 13:35	1
Trichloroethene	**1.9**	**J**	5.0	0.60	ug/L			12/18/18 13:35	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*12/18/18 13:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*12/18/18 13:35*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*12/18/18 13:35*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/18/18 13:35*	*1*

Client Sample ID: DGC 6S

Date Collected: 12/12/18 11:35
Date Received: 12/14/18 01:00

Lab Sample ID: 480-146781-5

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 13:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 13:59	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 13:59	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 13:59	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 13:59	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 13:59	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 13:59	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 13:59	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 13:59	1
Acrolein	ND		100	17	ug/L			12/18/18 13:59	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 13:59	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 13:59	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 13:59	1

Client Sample ID: DGC 6S

Lab Sample ID: 480-146781-5

Date Collected: 12/12/18 11:35
Date Received: 12/14/18 01:00

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 13:59	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 13:59	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 13:59	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 13:59	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 13:59	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 13:59	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 13:59	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 13:59	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 13:59	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 13:59	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 13:59	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 13:59	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 13:59	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 13:59	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 13:59	1
Trichloroethene	ND		5.0	0.60	ug/L			12/18/18 13:59	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*12/18/18 13:59*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*12/18/18 13:59*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*12/18/18 13:59*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/18/18 13:59*	*1*

Client Sample ID: MW 7

Lab Sample ID: 480-146781-6

Date Collected: 12/12/18 11:50
Date Received: 12/14/18 01:00

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 14:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 14:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 14:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 14:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 14:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 14:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 14:25	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 14:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 14:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 14:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 14:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 14:25	1
Acrolein	ND		100	17	ug/L			12/18/18 14:25	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 14:25	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 14:25	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 14:25	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 14:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 14:25	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 14:25	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 14:25	1

Client Sample ID: MW 7

Lab Sample ID: 480-146781-6

Date Collected: 12/12/18 11:50

Matrix: Water

Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 14:25	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 14:25	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 14:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 14:25	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 14:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 14:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 14:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 14:25	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 14:25	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 14:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 14:25	1
Trichloroethene	**1.1**	**J**	5.0	0.60	ug/L			12/18/18 14:25	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*12/18/18 14:25*	*1*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*		*12/18/18 14:25*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*12/18/18 14:25*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/18/18 14:25*	*1*

Client Sample ID: DGC 8S

Lab Sample ID: 480-146781-7

Date Collected: 12/12/18 11:55

Matrix: Water

Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 14:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 14:49	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 14:49	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 14:49	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 14:49	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 14:49	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 14:49	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 14:49	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 14:49	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 14:49	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 14:49	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 14:49	1
Acrolein	ND		100	17	ug/L			12/18/18 14:49	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 14:49	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 14:49	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 14:49	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 14:49	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 14:49	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 14:49	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 14:49	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 14:49	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 14:49	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 14:49	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 14:49	1

Client Sample ID: DGC 8S

Lab Sample ID: 480-146781-7

Date Collected: 12/12/18 11:55
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 14:49	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 14:49	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 14:49	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 14:49	1
Toluene	ND		5.0	0.45	ug/L			12/18/18 14:49	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 14:49	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 14:49	1
Trichloroethene	ND		5.0	0.60	ug/L			12/18/18 14:49	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*12/18/18 14:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*12/18/18 14:49*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*12/18/18 14:49*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/18/18 14:49*	*1*

Client Sample ID: MW 6

Lab Sample ID: 480-146781-8

Date Collected: 12/12/18 12:15
Matrix: Water
Date Received: 12/14/18 01:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/18/18 15:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/18/18 15:12	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/18 15:12	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/18 15:12	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/18/18 15:12	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/18/18 15:12	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/18 15:12	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/18 15:12	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/18/18 15:12	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/18/18 15:12	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/18/18 15:12	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/18/18 15:12	1
Acrolein	ND		100	17	ug/L			12/18/18 15:12	1
Acrylonitrile	ND		50	1.9	ug/L			12/18/18 15:12	1
Benzene	ND		5.0	0.60	ug/L			12/18/18 15:12	1
Bromoform	ND		5.0	0.47	ug/L			12/18/18 15:12	1
Bromomethane	ND		5.0	1.2	ug/L			12/18/18 15:12	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/18 15:12	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/18/18 15:12	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/18/18 15:12	1
Chloroethane	ND		5.0	0.87	ug/L			12/18/18 15:12	1
Chloroform	ND		5.0	0.54	ug/L			12/18/18 15:12	1
Chloromethane	ND		5.0	0.64	ug/L			12/18/18 15:12	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/18/18 15:12	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/18/18 15:12	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/18/18 15:12	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/18 15:12	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/18/18 15:12	1

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

TestAmerica Job ID: 480-146781-1

Client Sample ID: MW 6
Date Collected: 12/12/18 12:15
Date Received: 12/14/18 01:00

Lab Sample ID: 480-146781-8
Matrix: Water

Method: 624.1 - 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			12/18/18 15:12	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/18/18 15:12	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/18/18 15:12	1
Trichloroethene	ND		5.0	0.60	ug/L			12/18/18 15:12	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/18/18 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*12/18/18 15:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*12/18/18 15:12*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*12/18/18 15:12*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/18/18 15:12*	*1*

Lab Chronicle

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

TestAmerica Job ID: 480-146781-1

Client Sample ID: DGC 7S
Lab Sample ID: 480-146781-1
Date Collected: 12/12/18 11:00
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 12:25	S1V	TAL BUF

Client Sample ID: DISCH
Lab Sample ID: 480-146781-2
Date Collected: 12/12/18 11:05
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 12:48	S1V	TAL BUF

Client Sample ID: TRENCH
Lab Sample ID: 480-146781-3
Date Collected: 12/12/18 11:20
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 13:12	S1V	TAL BUF

Client Sample ID: MW9
Lab Sample ID: 480-146781-4
Date Collected: 12/12/18 11:30
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 13:35	S1V	TAL BUF

Client Sample ID: DGC 6S
Lab Sample ID: 480-146781-5
Date Collected: 12/12/18 11:35
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 13:59	S1V	TAL BUF

Client Sample ID: MW 7
Lab Sample ID: 480-146781-6
Date Collected: 12/12/18 11:50
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 14:25	S1V	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-146781-1

Client Sample ID: DGC 8S

Lab Sample ID: 480-146781-7

Date Collected: 12/12/18 11:55
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 14:49	S1V	TAL BUF

Client Sample ID: MW 6

Lab Sample ID: 480-146781-8

Date Collected: 12/12/18 12:15
Matrix: Water
Date Received: 12/14/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	451329	12/18/18 15:12	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-146781-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total

Method Summary

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

TestAmerica Job ID: 480-146781-1

Method	Method Description	Protocol	Laboratory
624.1	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: 480-146781-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-146781-1	DGC 7S	Water	12/12/18 11:00	12/14/18 01:00
480-146781-2	DISCH	Water	12/12/18 11:05	12/14/18 01:00
480-146781-3	TRENCH	Water	12/12/18 11:20	12/14/18 01:00
480-146781-4	MW9	Water	12/12/18 11:30	12/14/18 01:00
480-146781-5	DGC 6S	Water	12/12/18 11:35	12/14/18 01:00
480-146781-6	MW 7	Water	12/12/18 11:50	12/14/18 01:00
480-146781-7	DGC 8S	Water	12/12/18 11:55	12/14/18 01:00
480-146781-8	MW 6	Water	12/12/18 12:15	12/14/18 01:00

Buffalo
10 Hazelwood Drive
Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Albany
#224

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

480-146781 COC

Client Contact	Project Manager: Samantha Salotto (Region 5)	Site Contact: Samantha Salotto	Date:	COC No:
NYSDEC Region 5	Tel/Fax: (518) 897-1241	Lab Contact: Judy Stone	Carrier:	
1115 NYS Route 9, P.O. Box 296	Analysis Turnaround Time			Job No.
Ray Brook, NY 12977-0296	Calendar (C) or Work Days (W) _____W____			
(518) 897-1242 Phone	TAT if different from Below ____10 days_____			SDG No.
(518) 891-2295 FAX	☐ 2 weeks			
Project Name: Philmar Electronics	☐ 1 week			
Site: 942 Mason Street, Morrisonville, NY 12962	☐ 2 days			
P O #: Site ID # 510008	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs by EPA 624	Sample Specific Notes:
DGC 7S	12/12/18	1100	Grab	GW	3	N	X	
DISCH	12/12/18	1105	G	GW	3	N	X	
TMW-11	12/12/18	1120	G	GW	3	N	X	
MW 9	12/12/18	1130	G	GW	3		X	
DGC-6S	12/12/18	1135	G	GW	3		X	
MW7	12/12/18	1150	G	GW	3		X	
DGC 8S	12/12/18	1155	G	GW	3		X	
MW 6	12/12/18	1215	G	GW	3		X	
RL 12-13-18								

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: Please copy analytical results to Aaron Yecies (ayecies@aztechtech.com).

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	AZTECH	12/13/18 700	Kal Lodin	TA	12-13-18 0700
Relinquished by: Kal Lodin	Company: TA 12-13-18	Date/Time: 1800	Received by:	Company: 12/14/18	Date/Time: 0100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

2.6 #3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-146781-1

Login Number: 146781
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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 (Excluding tests with immediate HTs)..	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	NYS DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	