



285 Delaware Avenue  
Buffalo, New York 14202  
United States  
www.ghd.com

Our ref: 11222535

July 11, 2023

Mr. Michael Belveg  
Project Manager  
NYSDEC Region 7  
615 Erie Boulevard West  
Syracuse, NY 13204

**Re: 110 Luther Avenue BCP Site (Site #C734118), Spring 2023 Groundwater Monitoring Results**

Dear Mr. Belveg:

GHD Consulting Services Inc. (GHD) has completed the Spring 2023 groundwater monitoring activities at the above-referenced Site. Monitoring activities included the sampling of five (5) Site monitoring wells (MW-1, MW-7, MW-8, MW-10, and MW-18 [off-Site]), as described in the Revised Site Management Plan (SMP) (S&W Redevelopment of North America, LLC, November 2011, Revised by GHD, February 2017, May 2019, and October 2020). Groundwater samples taken from each of the groundwater monitoring wells during this monitoring event were analyzed for the reduced list of chlorinated volatile organic compounds (VOCs) of concern for the Site.

On behalf of Syracuse Label Company, Inc., GHD is submitting the attached figure, tables, and laboratory analytical report for your reference. The Spring 2023 groundwater monitoring data was submitted to the EQulS database for upload on June 19, 2023.

The sample data for the on-Site (110 Luther Avenue BCP Site) groundwater monitoring wells provide results that are generally non-detect, meet the NYS Class GA groundwater standards, and are generally at lower or similar concentrations when compared to the last event.

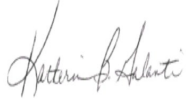
- PCE (tetrachloroethene) and TCE (trichloroethene) continue to be non-detect in groundwater samples from all wells, although at slightly elevated reporting limits for MW-7 (4 µg /L) and MW-18 (10 µg /L) samples.
- DCE (cis-1,2-dichloroethene) and VC (vinyl chloride) concentrations identified in MW-1 are above Class GA Groundwater standards, but continue the decreasing trend observed in prior sampling events.
- MW-7 remains non-detect for all VOCs, although at a reporting limit that is slightly elevated (4 µg /L) consistent with prior sampling events.
- A slight increase in DCE and VC levels in MW-8 was observed during this sampling event; however, the concentrations continue to remain consistent with historical sampling events and will be monitored in future events for any possible trends.
- MW-10 remains non-detect for all VOCs at a reporting limit of 1 µg/L.
- Sample concentrations at off-Site and downgradient well MW-18 had historically shown an increasing trend for DCE and VC; however, during the Fall 2022 sampling event, the DCE and VC concentrations at MW-18 decreased significantly. This trend continued during the Spring 2023 event, with DCE and VC concentrations of non-detect and 60 µg/L, respectively, compared to the DCE and VC concentrations observed one year ago during the Spring 2022 sampling event (12,000 µg/L and 11,000 µg/L, respectively). The elevated concentrations in samples taken from MW-18 during events up through Spring 2022 correlated with off-Site development activities by UniFirst that altered the subgrade conditions (i.e., building demolition, excavations,

dewatering, etc.). Construction around MW-18 was completed prior to the Fall 2022 sampling event and the impermeable surface has been restored in that area. GHD will continue to monitor MW-18 during future events and track whether the restoration in this area leads to continued improvement in groundwater quality.

We will contact you prior to the next round of groundwater monitoring, which is scheduled for November 2023, in accordance with the currently approved SMP.

Please contact me at 716-362-8839 if you have any questions or concerns.

Regards



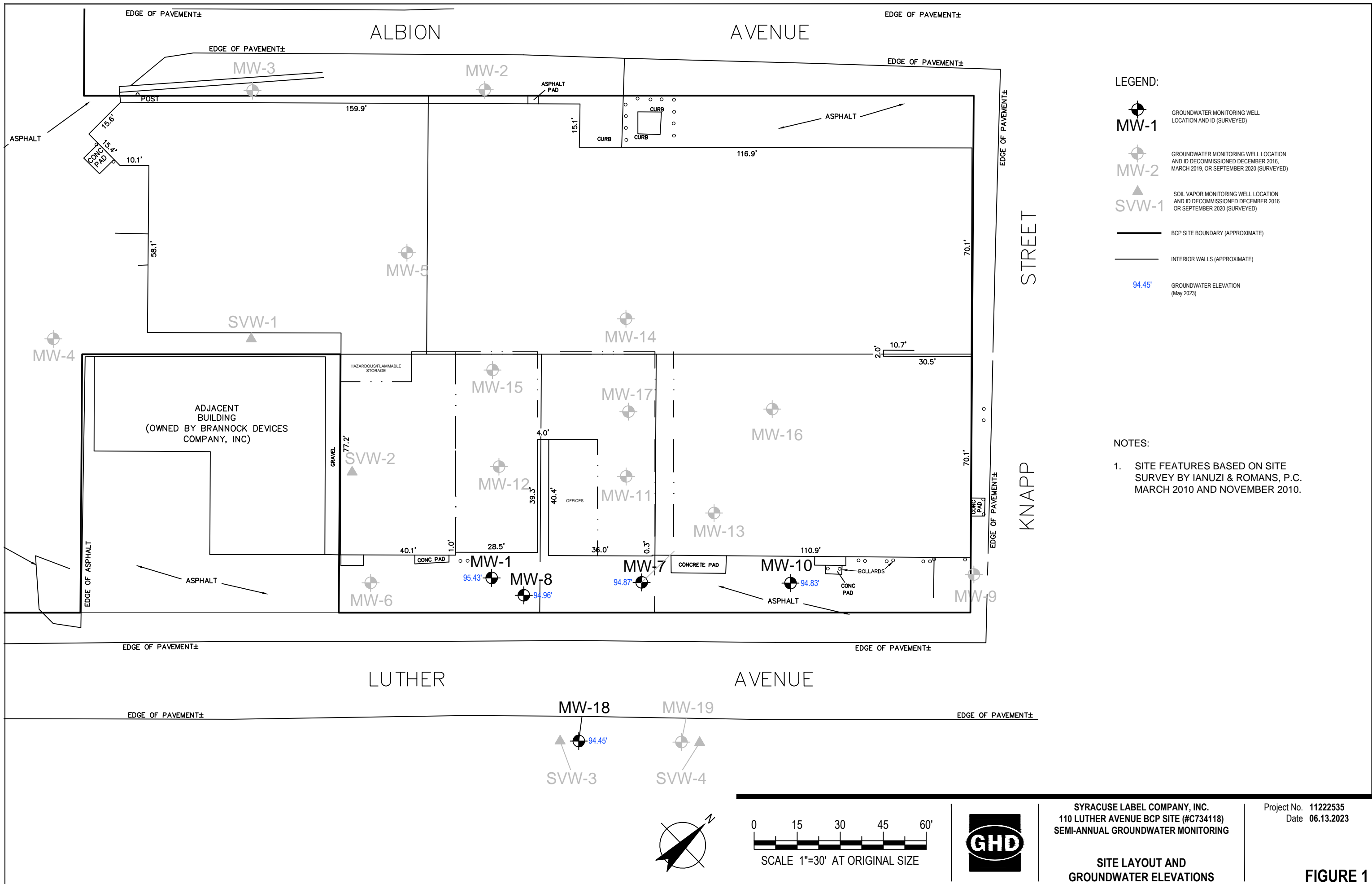
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Project Manager

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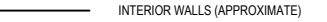

Enclosures: As identified above

cc: Mark Sergott, NYSDOH (w/enclosures)  
Scarlett McLaughlin, NYSDOH (w/enclosures)  
Paul Roux, Syracuse Label (w/enclosures)  
Nicholas Noyes, Syracuse Label (w/enclosures)  
Anthony Cirrincione, Box Capital  
Doreen Simmons, Hancock Estabrook (w/enclosures)  
Ian McNamara, GHD (w/enclosures)

# Figures



**LEGEND:**

-  GROUNDWATER MONITORING WELL LOCATION AND ID (SURVEYED)
-  GROUNDWATER MONITORING WELL LOCATION AND ID DECOMMISSIONED DECEMBER 2016, MARCH 2019, OR SEPTEMBER 2020 (SURVEYED)
-  SOIL VAPOR MONITORING WELL LOCATION AND ID DECOMMISSIONED DECEMBER 2016 OR SEPTEMBER 2020 (SURVEYED)
-  BCP SITE BOUNDARY (APPROXIMATE)
-  INTERIOR WALLS (APPROXIMATE)
-  94.45' GROUNDWATER ELEVATION (May 2023)

**NOTES:**

1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.

SYRACUSE LABEL COMPANY, INC.  
 110 LUTHER AVENUE BCP SITE (#C734118)  
 SEMI-ANNUAL GROUNDWATER MONITORING

Project No. 11222535  
 Date 06.13.2023

**SITE LAYOUT AND GROUNDWATER ELEVATIONS**

**FIGURE 1**

# Tables



Table 1  
Groundwater Elevations

Syracuse Label Company, Inc.  
110 Luther Avenue BCP Site  
BCP Site #C734118

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-1	9/22/2011	Top of PVC	97.75	2.10	11.11	95.65	0.36
MW-1	3/29/2012	Top of PVC	97.75	2.32	11.11	95.43	0.35
MW-1	12/20/2012	Top of PVC	97.75	2.41	11.11	95.34	0.35
MW-1	3/28/2013	Top of PVC	97.75	2.45	11.11	95.30	0.35
MW-1	12/18/2013	Top of PVC	97.75	2.55	11.11	95.20	0.34
MW-1	6/18/2014	Top of PVC	97.75	2.31	11.20	95.44	0.36
MW-1	6/24/2015	Top of PVC	97.75	2.01	11.20	95.74	0.37
MW-1	9/28/2015	Top of PVC	97.75	2.35	11.20	95.40	0.35
MW-1	7/6/2016	Top of PVC	97.75	2.65	11.25	95.10	0.34
MW-1	9/22/2016	Top of PVC	97.75	1.66	11.25	96.09	0.38
MW-1	5/31/2017	Top of PVC	97.75	1.64	11.48	96.11	0.39
MW-1	11/29/2017	Top of PVC	97.75	1.55	11.50	96.20	0.40
MW-1	5/31/2018	Top of PVC	97.75	1.75	11.45	96.00	0.39
MW-1	12/18/2018	Top of PVC	97.75	1.70	11.48	96.05	0.39
MW-1	3/8/2019	Top of PVC	97.75	1.62	11.48	96.13	0.39
MW-1	11/25/2019	Top of PVC	97.75	2.66	11.30	95.09	0.35
MW-1	5/29/2020	Top of PVC	97.75	2.23	11.42	95.52	0.37
MW-1	11/19/2020	Top of PVC	97.75	2.24	11.38	95.51	0.37
MW-1	5/20/2021	Top of PVC	97.75	1.91	11.38	95.84	0.38
MW-1	11/19/2021	Top of PVC	97.75	2.13	11.43	95.62	0.37
MW-1	5/31/2022	Top of PVC	97.75	2.11	11.42	95.64	--
MW-1	12/1/2022	Top of PVC	97.75	2.29	11.42	95.46	0.37
MW-1	5/31/2023	Top of PVC	97.75	2.32	11.38	95.43	0.36



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110 Luther Avenue BCP Site  
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Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-7	6/23/2011	Top of PVC	97.28	2.73	15.80	94.55	2.09
MW-7	8/30/2011	Top of PVC	97.28	2.31	15.71	94.97	2.14
MW-7	9/22/2011	Top of PVC	97.28	3.35	15.71	93.93	1.98
MW-7	3/29/2012	Top of PVC	97.28	3.04	15.79	94.24	2.04
MW-7	6/28/2012	Top of PVC	97.28	2.95	15.79	94.33	2.05
MW-7	9/13/2012	Top of PVC	97.28	4.89	15.79	92.39	1.74
MW-7	12/21/2012	Top of PVC	97.28	2.92	15.79	94.36	2.06
MW-7	3/28/2013	Top of PVC	97.28	3.35	16.29	93.93	2.07
MW-7	6/27/2013	Top of PVC	97.28	2.17	15.36	95.11	2.11
MW-7	9/26/2013	Top of PVC	97.28	7.11	15.36	90.17	1.32
MW-7	12/18/2013	Top of PVC	97.28	8.00	15.36	89.28	1.18
MW-7	3/26/2014	Top of PVC	97.28	2.83	15.36	94.45	2.00
MW-7	6/18/2014	Top of PVC	97.28	7.81	15.36	89.47	1.21
MW-7	9/29/2014	Top of PVC	97.28	5.85	16.45	91.43	1.70
MW-7	12/29/2014	Top of PVC	97.28	4.37	16.40	92.91	1.92
MW-7	3/30/2015	Top of PVC	97.28	1.85	16.45	95.43	2.34
MW-7	6/24/2015	Top of PVC	97.28	2.51	16.39	94.77	2.22
MW-7	9/28/2015	Top of PVC	97.28	7.77	16.49	89.51	1.40
MW-7	12/28/2015	Top of PVC	97.28	2.98	16.40	94.30	2.15
MW-7	3/30/2016	Top of PVC	97.28	2.45	16.40	94.83	2.23
MW-7	7/6/2016	Top of PVC	97.28	4.25	16.40	93.03	1.94
MW-7	9/22/2016	Top of PVC	97.28	3.77	16.40	93.51	2.02
MW-7	12/20/2016	Top of PVC	97.28	3.73	16.47	93.55	2.04
MW-7	5/31/2017	Top of PVC	97.28	2.12	16.72	95.16	2.34
MW-7	11/29/2017	Top of PVC	97.28	2.69	16.68	94.59	2.24
MW-7	5/31/2018	Top of PVC	97.28	2.09	16.69	95.19	2.34
MW-7	12/18/2018	Top of PVC	97.28	2.26	16.65	95.02	2.30
MW-7	3/8/2019	Top of PVC	97.28	2.00	16.69	95.28	2.35
MW-7	11/25/2019	Top of PVC	97.28	2.42	16.59	94.86	2.27
MW-7	5/29/2020	Top of PVC	97.28	2.37	16.72	94.91	2.30
MW-7	11/19/2020	Top of PVC	97.28	2.58	16.65	94.70	2.25
MW-7	5/20/2021	Top of PVC	97.28	2.55	16.65	94.73	2.26
MW-7	11/19/2021	Top of PVC	97.28	2.34	16.75	94.94	2.31
MW-7	5/31/2022	Top of PVC	97.28	2.63	16.71	94.65	--
MW-7	12/1/2022	Top of PVC	97.28	2.81	16.71	94.47	2.28
MW-7	5/31/2023	Top of PVC	97.28	2.41	17.69	94.87	2.40



Table 1  
Groundwater Elevations

Syracuse Label Company, Inc.  
110 Luther Avenue BCP Site  
BCP Site #C734118

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-8	6/23/2011	Top of PVC	97.38	2.50	17.05	94.88	2.33
MW-8	8/30/2011	Top of PVC	97.38	2.50	17.05	94.88	2.33
MW-8	9/22/2011	Top of PVC	97.38	2.46	17.05	94.92	2.33
MW-8	3/30/2012	Top of PVC	97.38	2.51	17.06	94.87	2.33
MW-8	6/28/2012	Top of PVC	97.38	2.76	17.06	94.62	2.29
MW-8	9/13/2012	Top of PVC	97.38	2.90	17.06	94.48	2.27
MW-8	12/21/2012	Top of PVC	97.38	2.41	17.06	94.97	2.34
MW-8	3/28/2013	Top of PVC	97.38	2.37	17.26	95.01	2.38
MW-8	6/27/2013	Top of PVC	97.38	2.42	16.55	94.96	2.26
MW-8	9/26/2013	Top of PVC	97.38	2.95	16.55	94.43	2.18
MW-8	12/18/2013	Top of PVC	97.38	2.95	16.55	94.43	2.18
MW-8	3/26/2014	Top of PVC	97.38	2.86	16.55	94.52	2.19
MW-8	6/18/2014	Top of PVC	97.38	2.61	16.55	94.77	2.23
MW-8	9/29/2014	Top of PVC	97.38	2.86	16.50	94.52	2.18
MW-8	12/29/2014	Top of PVC	97.38	2.59	16.27	94.79	2.19
MW-8	3/30/2015	Top of PVC	97.38	2.35	16.51	95.03	2.27
MW-8	6/24/2015	Top of PVC	97.38	2.78	16.50	94.60	2.20
MW-8	9/29/2015	Top of PVC	97.38	3.42	16.49	93.96	2.09
MW-8	12/29/2015	Top of PVC	97.38	NM	NM		
MW-8	3/30/2016	Top of PVC	97.38	2.14	16.70	95.24	2.33
MW-8	7/6/2016	Top of PVC	97.38	3.62	16.75	93.76	2.10
MW-8	9/22/2016	Top of PVC	97.38	6.04	16.75	91.34	1.71
MW-8	12/20/2016	Top of PVC	97.38	2.25	16.81	95.13	2.33
MW-8	5/31/2017	Top of PVC	97.38	2.34	17.00	95.04	2.35
MW-8	11/29/2017	Top of PVC	97.38	3.25	17.02	94.13	2.20
MW-8	5/31/2018	Top of PVC	97.38	2.20	17.00	95.18	2.37
MW-8	12/18/2018	Top of PVC	97.38	2.26	17.00	95.12	2.36
MW-8	3/8/2019	Top of PVC	97.38	2.11	17.04	95.27	2.39
MW-8	11/25/2019	Top of PVC	97.38	2.39	16.95	94.99	2.33
MW-8	5/29/2020	Top of PVC	97.38	1.88	17.08	95.50	2.43
MW-8	11/19/2020	Top of PVC	97.38	2.49	17.05	94.89	2.33
MW-8	5/20/2021	Top of PVC	97.38	2.29	17.04	95.09	2.36
MW-8	11/19/2021	Top of PVC	97.38	2.24	17.07	95.14	2.37
MW-8	5/31/2022	Top of PVC	97.38	2.13	17.10	95.25	--
MW-8	12/1/2022	Top of PVC	97.38	1.65	17.10	95.73	2.53
MW-8	5/31/2023	Top of PVC	97.38	2.42	17.02	94.96	2.30





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Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-10	9/22/2011	Top of PVC	97.34	2.60	11.82	94.74	1.48
MW-10	3/29/2012	Top of PVC	97.34	2.64	11.82	94.70	1.47
MW-10	12/21/2012	Top of PVC	97.34	2.63	11.82	94.71	1.47
MW-10	3/28/2013	Top of PVC	97.34	2.49	11.82	94.85	1.49
MW-10	12/18/2013	Top of PVC	97.34	2.62	12.95	94.72	1.65
MW-10	6/18/2014	Top of PVC	97.34	2.42	13.11	94.92	1.71
MW-10	6/24/2015	Top of PVC	97.34	2.28	13.25	95.06	1.76
MW-10	7/6/2016	Top of PVC	97.34	2.85	13.55	94.49	1.71
MW-10	11/29/2017	Top of PVC	97.34	2.44	14.00	94.90	1.85
MW-10	5/31/2018	Top of PVC	97.34	2.28	14.00	95.06	1.88
MW-10	12/18/2018	Top of PVC	97.34	NM	NM		
MW-10	3/8/2019	Top of PVC	97.34	2.13	14.21	95.21	1.93
MW-10	11/25/2019	Top of PVC	97.34	2.31	14.09	95.03	1.88
MW-10	5/29/2020	Top of PVC	97.34	2.08	14.18	95.26	1.94
MW-10	11/19/2020	Top of PVC	97.34	2.64	14.20	94.70	1.85
MW-10	5/20/2021	Top of PVC	97.34	2.77	14.20	94.57	1.83
MW-10	11/19/2021	Top of PVC	97.34	2.31	14.30	95.03	1.92
MW-10	5/31/2022	Top of PVC	97.34	2.39	14.33	94.95	--
MW-10	12/1/2022	Top of PVC	97.34	2.69	14.33	94.65	1.91
MW-10	5/31/2023	Top of PVC	97.34	2.51	14.37	94.83	1.90



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Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-18	9/22/2011	Top of PVC	96.86	4.19	12.61	92.67	1.35
MW-18	3/29/2012	Top of PVC	96.86	2.44	12.61	94.42	1.63
MW-18	12/20/2012	Top of PVC	96.86	2.36	12.58	94.50	1.64
MW-18	6/19/2014	Top of PVC	96.86	2.57	12.64	94.29	1.61
MW-18	12/29/2014	Top of PVC	96.86	2.99	12.59	93.87	1.54
MW-18	6/24/2015	Top of PVC	96.86	2.46	12.55	94.40	1.61
MW-18	12/30/2015	Top of PVC	96.86	2.25	12.58	94.61	1.65
MW-18	7/7/2016	Top of PVC	96.86	2.78	12.60	94.08	1.57
MW-18	9/22/2016	Top of PVC	96.86	2.48	12.60	94.38	1.62
MW-18	5/31/2017	Top of PVC	96.86	2.05	12.80	94.81	1.72
MW-18	11/29/2017	Top of PVC	96.86	2.42	12.80	94.44	1.66
MW-18	5/31/2018	Top of PVC	96.86	2.26	12.78	94.60	1.68
MW-18	12/18/2018	Top of PVC	96.86	2.21	12.78	94.65	1.69
MW-18	3/8/2019	Top of PVC	96.86	2.20	12.79	94.66	1.69
MW-18	11/25/2019	Top of PVC	96.86	2.24	12.70	94.62	1.67
MW-18	5/29/2020	Top of PVC	96.86	2.12	12.83	94.74	1.71
MW-18	11/19/2020	Top of PVC	96.86	2.53	12.78	94.33	1.64
MW-18	5/20/2021	Top of PVC	96.86	2.56	12.78	94.30	1.64
MW-18	11/19/2021	Top of PVC	96.86	2.17	12.85	94.69	1.71
MW-18	5/31/2022	Top of PVC	96.86	2.31	12.84	94.55	--
MW-18	12/1/2022	Top of PVC	96.86	2.48	12.84	94.38	1.70
MW-18	5/31/2023	Top of PVC	96.86	2.41	12.79	94.45	1.60



Table 2  
Summary of Sample Field Parameters

Syracuse Label Company, Inc.  
110 Luther Avenue  
BCP Site #C734118

		Field						
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Salinity	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	%	oC	NTU
Well ID	Date Sampled							
MW-1	9/22/2011	12.01	4.032	8.81	-156.2	-	16.07	1,000
MW-1	3/29/2012	2.44	2.598	7.13	-106	-	11.1	689.4
MW-1	12/20/2012	3.49	1.428	7.6	96.7	-	11.56	398.6
MW-1	6/18/2014	0.78	3.149	6.94	-127.2	-	17.91	1,053
MW-1	6/24/2015	0.98	3.845	6.99	-144.3	2.29	19.6	603.1
MW-1	9/28/2015	0.47	3.482	7.2	-130.1	-	19.82	282.1
MW-1	7/6/2016	0.96	3.105	7.05	-52	-	21.72	458.9
MW-1	9/22/2016	0.63	2.287	6.65	-144.7	-	23.63	330.1
MW-1	5/31/2017	2.61	1.94	7.44	-96.3	-	22.1	26.4
MW-1	11/29/2017	3.91	1.278	7.06	-103.9	-	13.62	57.4
MW-1	5/31/2018	2.21	2.514	6.62	-45.9	-	21.1	70.9
MW-1	12/18/2018	2.19	2.062	7.38	-80.2	-	9.1	43
MW-1	3/8/2019	4.98	2.812	7	-77.6	-	10.1	35.4
MW-1	11/25/2019	3.68	2.506	6.99	-130.7	-	14.9	59.61
MW-1	5/29/2020	4.78	2.688	6.93	-44.7	-	20.5	25.67
MW-1	11/19/2020	4.9	2.306	7.08	-87	-	14.9	37.24
MW-1	5/20/2021	4.12	4.262	6.73	-44	-	16.8	39.02
MW-1	11/19/2021	5	2.312	7.16	-65.5	-	12.7	126
MW-1	5/31/2022	3.68	2.618	7.21	-74.5	-	19.9	58.61
MW-1	12/1/2022	3.95	1.743	7.26	-80.2	-	12.10	184.0
MW-1	5/31/2023	4.63	2.05	7.17	-54.6	-	22.6	34.70



Table 2  
Summary of Sample Field Parameters

Syracuse Label Company, Inc.  
110 Luther Avenue  
BCP Site #C734118

		Field						
		Disolved Oxygen	Electrical Conductivity	pH	Redox	Salinity	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	%	oC	NTU
Well ID	Date Sampled							
MW-7	2/16/2010	1.3	1.202	6.88	-77.6	-	10.73	550
MW-7	2/18/2011	5.9	1.073	6.75	5.5	-	12.05	7.7
MW-7	3/22/2011	2.37	1.511	6.18	-190.9	-	11.55	995.6
MW-7	4/18/2011	-15.82	1.356	6.24	-208.7	-	11.99	54.3
MW-7	6/22/2011	6.09	1.438	6.52	-126.2	-	15.45	24.6
MW-7	8/30/2011	20.64	2.073	6.57	-165.6	-	14.5	9.6
MW-7	9/22/2011	14.75	1.833	6.82	-152.7	-	12.91	410
MW-7	3/29/2012	0.5	1.188	6.88	-124.2	-	13.34	9.9
MW-7	6/28/2012	1.44	2.2	6.13	-232.5	-	16.42	3.9
MW-7	9/13/2012	0.42	2.785	6.03	-71.9	-	18.39	9.6
MW-7	12/21/2012	3.69	2.314	6.72	-101.2	-	15.63	1,190
MW-7	3/28/2013	-4.72	1.532	6.83	-133.8	-	13.78	271.3
MW-7	6/27/2013	0.14	3.256	5.57	-127.9	-	16.52	1,068
MW-7	9/26/2013	4.3	4.264	6.67	-107.6	-	18.76	174.3
MW-7	12/18/2013	0.4	3.696	7.15	-180.4	-	15.68	458.4
MW-7	3/26/2014	4.18	3.297	6.9	-162.1	-	11.72	20.3
MW-7	6/18/2014	0.31	2.852	6.99	-141.3	-	15.04	1,344
MW-7	9/29/2014	0.61	3.02	7.16	-131.2	-	18.58	289.1
MW-7	12/29/2014	0.75	2.706	6.9	-152.9	1.81	13.98	213.8
MW-7	3/30/2015	0.87	1.816	7.05	-102.8	1.29	10.78	182.7
MW-7	6/24/2015	3.23	2.97	7.08	-142.8	1.81	16.12	66.9
MW-7	9/28/2015	1.21	2.524	7.08	-136.8	-	17.63	155.8
MW-7	12/28/2015	0.75	2.72	6.96	-128.7	-	14.02	73.2
MW-7	3/30/2016	4.53	1.152	7.1	-149.6	-	13.91	58.7
MW-7	7/6/2016	0.49	2.564	7.03	-94.6	-	17.66	360.9
MW-7	9/22/2016	0.33	2.859	6.48	-109.4	-	18.9	243.4
MW-7	12/20/2016	1.33	3.398	7.04	-148.8	-	15.48	175.1
MW-7	5/31/2017	2.48	2.797	6.8	-87.7	-	22.14	167
MW-7	11/29/2017	4.26	2.634	6.95	-100.5	-	15.89	142
MW-7	5/31/2018	0.87	2.788	6.71	-89.1	-	18.9	52.5
MW-7	12/18/2018	2.06	2.588	6.79	-80.8	-	12.9	10
MW-7	3/8/2019	3.82	2.753	6.77	-100.9	-	9.2	12.5
MW-7	11/25/2019	3.07	2.716	6.93	-169	-	15.2	32.51
MW-7	5/29/2020	2.45	2.582	6.88	-95.2	-	17.9	23.2
MW-7	11/19/2020	2.57	2.681	6.77	-105.2	-	16.4	28.24
MW-7	5/20/2021	3.7	2.525	6.76	-95.1	-	17.2	15.43
MW-7	11/19/2021	2.7	2.117	6.97	-95.5	-	14	37
MW-7	5/31/2022	2.50	2.328	6.93	-114.7	-	19.5	26.87
MW-7	12/1/2022	3.2	2.115	6.94	-68.2	-	13.3	74.6
MW-7	5/31/2023	2.66	1.580	7.01	-102.1	-	21.4	31.91



Table 2  
Summary of Sample Field Parameters

Syracuse Label Company, Inc.  
110 Luther Avenue  
BCP Site #C734118

		Field						
		Disolved Oxygen	Electrical Conductivity	pH	Redox	Salinity	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	%	oC	NTU
Well ID	Date Sampled							
MW-8	6/22/2011	0.6	1.916	6.78	-39.6	-	14.68	970.2
MW-8	8/30/2011	28.42	2.358	6.42	-162.3	-	14.59	17
MW-8	9/22/2011	19.61	2.081	7.55	-147.8	-	13.46	30
MW-8	3/29/2012	1.11	1.854	6.7	-132.6	-	13	23.6
MW-8	6/28/2012	0.75	1.902	6.21	-76.3	-	16.64	0.9
MW-8	9/13/2012	0.43	1.55	6.57	-39.1	-	18.61	14.9
MW-8	12/21/2012	4.91	1.357	6.87	-43.7	-	14.92	4.8
MW-8	3/28/2013	-1.63	2.847	5.83	-117.6	-	11.88	516.6
MW-8	6/27/2013	0.15	3.944	5.11	-87	-	16.24	288.7
MW-8	9/26/2013	2.96	4.126	6.2	-117.3	-	18.38	28.3
MW-8	12/18/2013	0.2	4.235	6.94	-155.4	-	13.92	119.8
MW-8	3/26/2014	3.41	6.521	6.64	-121.8	-	9.28	30
MW-8	6/18/2014	0.22	3.205	6.79	-131.5	-	14.55	112.5
MW-8	9/29/2014	0.35	2.888	6.73	-119.6	-	17.92	19.4
MW-8	12/29/2014	0.73	2.577	6.48	-129.2	1.71	14.22	88.6
MW-8	3/30/2015	0.86	3.18	6.89	-105.9	2.34	10.64	22
MW-8	6/24/2015	0.51	2.502	6.74	-130	1.63	14.6	40
MW-8	9/29/2015	0.18	2.585	6.74	-112.5	-	17.77	8.1
MW-8	3/30/2016	3.41	1.186	6.95	-130.8	-	13.13	22.2
MW-8	7/6/2016	0.51	2.121	6.81	-64.3	-	15.32	99.3
MW-8	9/22/2016	0.25	2.469	6.39	-85.8	-	18.24	304.7
MW-8	12/20/2016	0.93	2.841	6.86	-136.3	-	14.98	185.4
MW-8	5/31/2017	6.69	1.437	6.87	-99.9	-	21.67	96.7
MW-8	11/29/2017	28.4	2.269	6.86	-93.5	-	16.23	37.5
MW-8	5/31/2018	0.97	2.313	6.92	-68.1	-	21.4	37.7
MW-8	12/18/2018	1.89	2.535	7.04	-81	-	12.6	0.4
MW-8	3/8/2019	11.12	0.731	8.27	11.3	-	5.1	28.8
MW-8	11/25/2019	2.2	2.517	7.03	-150.8	-	14.3	11.33
MW-8	5/29/2020	2.17	2.449	6.95	-84.6	-	18.6	5.69
MW-8	11/19/2020	2.98	2.575	6.93	-103.1	-	15.6	5.46
MW-8	5/20/2021	3.69	2.727	6.98	-87.1	-	16.1	11.07
MW-8	11/19/2021	2.7	2.055	7.1	-86.5	-	13	24.5
MW-8	5/31/2022	1.97	1.849	7.31	-132.0	-	20.1	23.69
MW-8	12/1/2022	3.01	1.581	7.09	-80.1	-	12.7	62
MW-8	5/31/2023	3.66	1.785	7.44	-99.3	-	21.3	23.25



Table 2  
Summary of Sample Field Parameters

Syracuse Label Company, Inc.  
110 Luther Avenue  
BCP Site #C734118

		Field						
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Salinity	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	%	oC	NTU
Well ID	Date Sampled							
MW-10	9/22/2011	5.14	1.066	8.93	-90.7	-	14.84	430
MW-10	3/29/2012	0.38	0.857	7.09	-98.6	-	12.04	256.7
MW-10	12/21/2012	4.24	0.906	7.23	-10.1	-	14.92	401.7
MW-10	6/18/2014	0.33	2.388	6.74	-68.4	-	16.86	1,713
MW-10	6/24/2015	0.2	2.276	6.89	-148.1	1.46	15.23	250.2
MW-10	7/6/2016	0.46	0.973	7.02	-77.4	-	15.54	631.1
MW-10	11/29/2017	2.81	0.993	7.39	-123.9	-	16.54	197.6
MW-10	3/8/2019	2.89	1.282	7.19	-107.9	-	8.6	27.1
MW-10	11/25/2019	2.11	1.259	7.41	-180.8	-	14	48.47
MW-10	5/29/2020	2.64	1.3	7.26	-121.7	-	17.4	46.5
MW-10	11/19/2020	3.17	1.58	7.13	-127.2	-	15.9	23.1
MW-10	5/20/2021	2.36	1.848	7.22	-118.6	-	17.4	26.51
MW-10	11/19/2021	3.2	1.164	7.32	-112.8	-	13.1	16
MW-10	5/31/2022	1.93	1.326	7.28	-147.6	-	19.9	28.82
MW-10	12/1/2022	3.24	1.299	7.29	-106	-	12	60
MW-10	5/31/2023	35.1	0.977	7.38	-119.2	-	21.9	45.31



Table 2  
Summary of Sample Field Parameters

Syracuse Label Company, Inc.  
110 Luther Avenue  
BCP Site #C734118

		Field						
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Salinity	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	%	oC	NTU
Well ID	Date Sampled							
MW-18	10/14/2010	6.91	0.97	7.29	105.8	-	16.34	1,000
MW-18	9/22/2011	0.62	1.504	6.89	-234.3	-	19.64	0.8
MW-18	3/29/2012	0.79	2.312	7.5	-100	-	9.6	198.5
MW-18	12/20/2012	0.54	1.562	7.2	44.7	-	10.75	29.3
MW-18	6/19/2014	0.61	1.741	7.35	-69.1	-	15.42	26.5
MW-18	12/29/2014	0.24	1.833	7.64	-108.6	1.3	10.81	35.4
MW-18	6/24/2015	2.69	3.617	7.14	-103.4	2.45	14.25	468.5
MW-18	12/30/2015	1.01	2.876	7.42	-63.2	-	11.94	74.6
MW-18	7/7/2016	0.81	3.015	7.32	8.6	-	14.96	21.6
MW-18	9/22/2016	0.38	3.84	6.86	-74.4	-	22.98	0.3
MW-18	5/31/2017	2.96	1.484	7.44	-89.7	-	17.67	360
MW-18	11/29/2017	4.49	1.899	7.71	-76.1	-	13.85	538.4
MW-18	5/31/2018	1.41	1.458	7.52	-87.7	-	20.2	22.8
MW-18	12/18/2018	1.95	1.741	7.6	-46.8	-	10.8	50.6
MW-18	3/8/2019	3.91	1.588	7.42	16.3	-	6	39.1
MW-18	11/25/2019	3.57	1.757	7.54	-143.1	-	13.6	37.76
MW-18	5/29/2020	3.25	1.96	7.21	-80.1	-	18.6	17.73
MW-18	11/19/2020	3.1	1.371	7.71	-84.7	-	15	91.55
MW-18	5/20/2021	3.57	2.212	7.57	-103.6	-	16.6	33.42
MW-18	11/19/2021	3.1	1.21	7.47	-102.2	-	11.8	33
MW-18	5/31/2022	2.01	1.707	7.30	-145.0	-	18.8	20.13
MW-18	12/1/2022	4.08	1.445	7.55	-90	-	11.6	210
MW-18	5/31/2023	2.78	1.527	7.35	-134.4	-	19.9	24.77



				VOCs				
				Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
				µg/L	µg/L	µg/L	µg/L	µg/L
Regulatory Standard				5	5	5	5	2
Sample ID	Date Sampled	LocCode	Sample Type					
MW-01	2/10/2010	MW-1		60	39	150	0.91J	33
MW-01	9/11/2011	MW-1		72	34	110	<0.76U	12
MW-01	3/30/2012	MW-1		45	19	100	<1U	29
MW-01	12/20/2012	MW-1		25	21	78	<1U	25
MW-01	6/19/2014	MW-1		0.92J	1.9	59	<1U	17
MW-01	6/25/2015	MW-1		<1U	0.59J	130	<1U	42
MW-01	9/29/2015	MW-1		1.3J	2.4	220	<2U	94
MW-01	7/7/2016	MW-1		1.1J	7.2	2,500	3.4	1,100
MW-01	9/23/2016	MW-1		<0.36U	1.7	410	1.3	160
MW-01	5/31/2017	MW-1		<3.6U	6.4J	910	<9U	250
MW-01	11/29/2017	MW-1		<3.6U	<4.6U	440	<9U	290
MW-01	5/31/2018	MW-1		<3.6U	<4.6U	1,000	<9U	580
MW-01	12/18/2018	MW-1		<3.6U	<4.6U	550	<9U	380
MW-01	3/8/2019	MW-1		1.7J	11	560	2	200
MW-01	11/25/2019	MW-1		<3.6U	<4.6U	430	<9U	550
MW-01	5/29/2020	MW-1		<3.6U	<4.6U	470	<9U	570
MW-01	11/19/2020	MW-1		<3.6U	<4.6U	140	<9U	210
MW-01	5/20/2021	MW-1		<1.4U	<1.8U	110	<3.6U	130
MW-01	11/19/2021	MW-1		2.8J	2.1J	72	<3.6U	110
MW-1-053122	5/31/2022	MW-1		<1.0 U	<1.0 U	47	<1.0 U	87
MW-1	12/1/2022	MW-1		<4.0 U	<4.0 U	27	<4.0 U	62
11222535-WG-053123-CE-001	5/31/2023	MW-1		<1.0 U	<1.0 U	20	<1.0 U	59





				VOCs				
				Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
Regulatory Standard				µg/L	µg/L	µg/L	µg/L	µg/L
Sample ID	Date Sampled	LocCode	Sample Type	5	5	5	5	2
MW-07	1/1/2008	MW-7		14,000	1,700	2,600	<200U	560
MW-07	2/11/2010	MW-7		27,000	4,300	2,600	<150U	260J
MW-07	2/11/2011	MW-7		17,000	2,600	2,600	<150U	620J
MW-07	3/11/2011	MW-7		6,900	3,600	14,000	<76U	460J
MW-07	4/11/2011	MW-7		370J	150J	17,000	<150U	690J
MW-07	6/11/2011	MW-7		1,600	3,300	19,000	<190U	1,100J
MW-07	8/11/2011	MW-7		240J	520J	24,000	<190U	8,500
MW-07	9/11/2011	MW-7		240J	380	7,400	<38U	4,300
MW-07	3/29/2012	MW-7		34	170J	11,000	36	4,300
MW-07	6/28/2012	MW-7		<200U	140J	26,000	<200U	8,400
MW-07	9/13/2012	MW-7		<400U	<400U	27,000	<400U	8,900
MW-07	12/21/2012	MW-7		<400U	<400U	16,000	<400U	8,100
MW-07	3/28/2013	MW-7		<400U	<400U	18,000	<400U	7,900
MW-07	6/27/2013	MW-7		<80U	<80U	4,300	<80U	3,300
MW-07	9/26/2013	MW-7		<80U	<80U	6,300	<80U	3,000
MW-07	12/18/2013	MW-7		<40U	<40U	2,300	<40U	2,400
MW-07	3/26/2014	MW-7		<20U	<20U	1,400	<20U	1,500
MW-07	6/18/2014	MW-7		<20U	<20U	510	<20U	720
MW-07	9/29/2014	MW-7		<4U	<4U	32	<4U	88
MW-07	12/29/2014	MW-7		<1.8U	<2.3U	39	<4.5U	31
MW-07	3/30/2015	MW-7		<5U	<5U	22	<5U	38
MW-07	6/25/2015	MW-7		<5U	<5U	6.5	<5U	24
MW-07	9/28/2015	MW-7		<5U	<5U	21	<5U	46
MW-07	12/28/2015	MW-7		<5U	<5U	<5U	<5U	9.9
MW-07	3/30/2016	MW-7		<5U	<5U	4.9J	<5U	18
MW-07	7/6/2016	MW-7		<0.36U	<0.46U	1.6	<0.9U	6.3
MW-07	9/22/2016	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	12/20/2016	MW-7		<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
MW-07	5/31/2017	MW-7		<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
MW-07	11/29/2017	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	5/31/2018	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	12/18/2018	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	3/8/2019	MW-7		<0.72U	<0.92U	<1.6U	<1.8U	<1.8U
MW-07	11/25/2019	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	5/29/2020	MW-7		<1.4U	<1.8U	26	<3.6U	67
MW-07	11/19/2020	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	5/20/2021	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
MW-07	11/19/2021	MW-7		<1.4U	<1.8U	<3.2U	<3.6U	<0.5U
MW-7-053122	5/31/2022	MW-7		<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U
MW-7	12/1/2022	MW-7		<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U
11222535-WG-053123-CE-004	5/31/2023	MW-7		<4.0 U	<4.0 *+U	<4.0 U	<4.0 U	<4.0 U



				VOCs				
				Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
				µg/L	µg/L	µg/L	µg/L	µg/L
Regulatory Standard				5	5	5	5	2
Sample ID	Date Sampled	LocCode	Sample Type					
MW-08	1/2/2008	MW-8		6,200	920	1,600	<200U	290
MW-08	2/1/2010	MW-8		3,900	860	2,500	<15U	250
MW-08	6/11/2011	MW-8		1,500	540	1,700	<19U	200
MW-08	8/11/2011	MW-8		380J	140J	5,100	100J	4,000
MW-08	9/11/2011	MW-8		1,100J	420J	7,900	83J	2,800
MW-08	3/30/2012	MW-8		82	22	140	1.1	66
MW-08	6/28/2012	MW-8		1,000	460	4,000	21	1,300
MW-08	9/13/2012	MW-8		9,500	1,900	8,000	34	2,100
MW-08	12/21/2012	MW-8		1,800	470	6,600	<100U	2,700
MW-08	3/28/2013	MW-8		800	380	9,400	<200U	4,300
MW-08	6/27/2013	MW-8		17J	<40U	2,100	<40U	2,000
MW-08	9/26/2013	MW-8		<40U	<40U	160	<40U	67
MW-08	12/18/2013	MW-8		<40U	<40U	<40U	<40U	110
MW-08	3/26/2014	MW-8		<5U	<5U	330	<5U	380
MW-08	6/18/2014	MW-8		<5U	<5U	110	<5U	67
MW-08	9/29/2014	MW-8		<1U	<1U	0.46J	<1U	<1U
MW-08	12/29/2014	MW-8		<1.8U	<2.3U	<4.1U	<4.5U	<4.5U
MW-08	3/30/2015	MW-8		<40U	<40U	2,100	<40U	1,300
MW-08	6/25/2015	MW-8		<40U	<40U	1,500	<40U	430
MW-08	9/29/2015	MW-8		<10U	<10U	310	<10U	160
MW-08	3/30/2016	MW-8		<10U	<10U	610	<10U	310
MW-08	7/6/2016	MW-8		<3.6U	<4.6U	810	<9U	460
MW-08	9/22/2016	MW-8		<3.6U	<4.6U	430	<9U	760
MW-08	12/20/2016	MW-8		<0.72U	<0.92U	96	<1.8U	63
MW-08	5/31/2017	MW-8		<3.6U	<4.6U	490	<9U	310
MW-08	11/29/2017	MW-8		<0.36U	<0.46U	1	<0.9U	<0.9U
MW-08	5/31/2018	MW-8		<3.6U	<4.6U	620	<9U	740
MW-08	12/18/2018	MW-8		<1.4U	<1.8U	120	<3.6U	110
MW-08	3/8/2019	MW-8		<0.72U	<0.92U	5.5	<1.8U	12U
MW-08	11/25/2019	MW-8		<0.36U	<0.46U	21	<0.9U	28
MW-08	5/29/2020	MW-8		<0.36U	<0.46U	48	<0.9U	130
MW-08	11/19/2020	MW-8		<0.36U	<0.46U	9.6	<0.9U	22
MW-08	5/20/2021	MW-8		<0.36U	<0.46U	18	<0.9U	49
MW-08	11/19/2021	MW-8		<1.4U	<1.8U	0.91J	<3.6U	3
MW-8-053122	5/31/2022	MW-8		<1.0 U	<1.0 U	6.9	<1.0 U	12
MW-8	12/1/2022	MW-8		<1.0 U	<1.0 U	2.5	<1.0 U	7.0
11222535-WG-053123-CE-002	5/31/2023	MW-8		<1.0 U	<1.0 *+U	9.9	<1.0 U	15
11222535-WG-053123-CE-003	5/31/2023	MW-8	DUP	<1.0 U	<1.0 *+U	10	<1.0 U	16



				VOCs				
				Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
				µg/L	µg/L	µg/L	µg/L	µg/L
Regulatory Standard				5	5	5	5	2
Sample ID	Date Sampled	LocCode	Sample Type					
MW-10	9/11/2011	MW-10		<0.81U	<0.62U	93	<0.76U	13
MW-10	3/30/2012	MW-10		<1U	<1U	56	<1U	13
MW-10	12/20/2012	MW-10		<1U	<1U	90	<1U	13
MW-10	6/19/2014	MW-10		<5U	<5U	<5U	<5U	<5U
MW-10	6/25/2015	MW-10		<5U	<5U	<5U	<5U	<5U
MW-10	7/7/2016	MW-10		<0.36U	<0.46U	<0.81U	<0.9U	0.98J
MW-10	11/29/2017	MW-10		<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
MW-10	12/18/2018	MW-10		0	-	-	-	-
MW-10	3/8/2019	MW-10		<0.72U	<0.92U	<1.6U	<1.8U	<1.8U
MW-10	11/25/2019	MW-10		<0.36U	<0.46U	1.8	<0.9U	<0.9U
MW-10	5/29/2020	MW-10		<0.36U	<0.46U	3.6	<0.9U	2.7
MW-10	11/19/2020	MW-10		<0.36U	<0.46U	2.8	<0.9U	4.6
MW-10	5/20/2021	MW-10		<0.36U	<0.46U	<0.81U	<0.9U	1.9
MW-10	11/19/2021	MW-10		<1.4U	<1.8U	<3.2U	<3.6U	1.7
MW-10-053122	5/31/2022	MW-10		<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
MW-10	12/1/2022	MW-10		<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
11222535-WG-053123-CE-005	5/31/2023	MW-10		<1.0 U	<1.0 *+U	<1.0 U	<1.0 U	<1.0 U



				VOCs				
				Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
				µg/L	µg/L	µg/L	µg/L	µg/L
Regulatory Standard				5	5	5	5	2
Sample ID	Date Sampled	LocCode	Sample Type					
MW-18	10/2/2010	MW-18		<0.81U	<0.62U	<0.99U	<0.76U	<b>2.7J</b>
MW-18	9/11/2011	MW-18		<0.81U	<0.62U	<b>13</b>	<0.76U	<b>17</b>
MW-18	3/30/2012	MW-18		<1U	<1U	<b>29</b>	<1U	<b>9.2</b>
MW-18	12/20/2012	MW-18		<1U	<1U	<b>5.5</b>	<1U	<1U
MW-18	6/19/2014	MW-18		<1U	<1U	<b>230</b>	<1U	<b>30</b>
MW-18	12/29/2014	MW-18		<1.8U	<2.3U	<b>75</b>	<4.5U	<b>9</b>
MW-18	6/25/2015	MW-18		<5U	<5U	<b>350</b>	<5U	<b>31</b>
MW-18	12/30/2015	MW-18		<5U	<5U	<b>160</b>	<5U	<b>15</b>
MW-18	7/7/2016	MW-18		<1.8U	<2.3U	<b>460</b>	<4.5U	<b>58</b>
MW-18	9/22/2016	MW-18		<1.8U	<2.3U	<b>65</b>	<4.5U	<4.5U
MW-18	5/31/2017	MW-18		<1.8U	<2.3U	<b>610</b>	<4.5U	<b>86</b>
MW-18	11/29/2017	MW-18		<1.8U	<2.3U	<b>470</b>	<4.5U	<b>92</b>
MW-18	5/31/2018	MW-18		<1.8U	<2.3U	<b>670</b>	<4.5U	<b>96</b>
MW-18	12/18/2018	MW-18		<1.8U	<2.3U	<b>940</b>	<4.5U	<b>140</b>
MW-18	3/8/2019	MW-18		<0.72U	<0.92U	<b>970</b>	<1.8U	<b>130U</b>
MW-18	11/25/2019	MW-18		<7.2U	<9.2U	<b>1,700</b>	<18U	<b>280</b>
MW-18	5/29/2020	MW-18		<1.8U	<2.3U	<b>1,700</b>	<4.5U	<b>270</b>
MW-18	11/19/2020	MW-18		<3.6U	<4.6U	<b>440</b>	<9U	<b>120</b>
MW-18	5/20/2021	MW-18		<3.6U	<4.6U	<b>1,500</b>	<9U	<b>470</b>
MW-18	11/19/2021	MW-18		<1.4U	<1.8U	<b>6,500</b>	<3.6U	<b>6,300</b>
MW-18-053122	5/31/2022	MW-18		<130 U	<130 U	<b>12,000</b>	<130 U	<b>11,000</b>
MW-18	12/1/2022	MW-18		<25 U	<25 U	<25 U	<25 U	<b>120</b>
11222535-WG-053123-CE-006	5/31/2023	MW-18		<10 U	<10 *+U	<10 U	<10 U	<b>60</b>

Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from New

York State Department of Environmental Conservation (NYSDEC) Division of Water and

U - Analyzed for but not detected above laboratory detection limits indicated

J - Indicates an estimated value

(-) - Not analyzed for

\*= - LCS and/or LCSD is outside acceptance limits, high biased.

Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and second post-pilot test sampling event, respectively

Jun-11, Aug-11, and Sept-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively

Bold and highlighted result indicates an exceedance of applicable Regulatory Standard

# Attachments

# **Attachment 1**

**Laboratory Analytical Report**

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Linda Waters  
GHD Services Inc.  
One Remington Park Drive  
Cazenovia, New York 13035

Generated 6/12/2023 6:30:40 AM

**JOB DESCRIPTION**

11222535, 110 Luther Avenue

**JOB NUMBER**

480-209367-1

# Eurofins Buffalo

## Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

## Authorization



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Authorized for release by  
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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

# Case Narrative

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

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## Job ID: 480-209367-1

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### Laboratory: Eurofins Buffalo

#### Narrative

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#### Job Narrative 480-209367-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/1/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5° C.

#### GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-672374 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 11222535-WG-053123-CE-004 (480-209367-4) and 11222535-WG-053123-CE-005 (480-209367-5).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-672374 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: 11222535-WG-053123-CE-002 (480-209367-2), 11222535-WG-053123-CE-003 (480-209367-3) and 11222535-WG-053123-CE-006 (480-209367-6).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-672374 recovered outside control limits for the following analytes: Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 11222535-WG-053123-CE-002 (480-209367-2), 11222535-WG-053123-CE-003 (480-209367-3), 11222535-WG-053123-CE-004 (480-209367-4), 11222535-WG-053123-CE-005 (480-209367-5) and 11222535-WG-053123-CE-006 (480-209367-6). The associated samples are impacted: 11222535-WG-053123-CE-002 (480-209367-2), 11222535-WG-053123-CE-003 (480-209367-3), 11222535-WG-053123-CE-004 (480-209367-4), 11222535-WG-053123-CE-005 (480-209367-5) and 11222535-WG-053123-CE-006 (480-209367-6).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 11222535-WG-053123-CE-004 (480-209367-4) and 11222535-WG-053123-CE-006 (480-209367-6). Elevated reporting limits (RLs) are provided.

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Client Sample ID: 11222535-WG-053123-CE-001

Lab Sample ID: 480-209367-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	59		1.0	0.90	ug/L	1		8260C	Total/NA

## Client Sample ID: 11222535-WG-053123-CE-002

Lab Sample ID: 480-209367-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.9		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	15		1.0	0.90	ug/L	1		8260C	Total/NA

## Client Sample ID: 11222535-WG-053123-CE-003

Lab Sample ID: 480-209367-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	16		1.0	0.90	ug/L	1		8260C	Total/NA

## Client Sample ID: 11222535-WG-053123-CE-004

Lab Sample ID: 480-209367-4

No Detections.

## Client Sample ID: 11222535-WG-053123-CE-005

Lab Sample ID: 480-209367-5

No Detections.

## Client Sample ID: 11222535-WG-053123-CE-006

Lab Sample ID: 480-209367-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	60		10	9.0	ug/L	10		8260C	Total/NA

## Client Sample ID: TRIP BLANK

Lab Sample ID: 480-209367-7

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-001**

**Lab Sample ID: 480-209367-1**

**Date Collected: 05/31/23 10:05**

**Matrix: Water**

**Date Received: 06/01/23 10:00**

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>20</b>		1.0	0.81	ug/L			06/08/23 19:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 19:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 19:48	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/23 19:48	1
<b>Vinyl chloride</b>	<b>59</b>		1.0	0.90	ug/L			06/08/23 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/08/23 19:48	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/08/23 19:48	1
Toluene-d8 (Surr)	98		80 - 120		06/08/23 19:48	1
Dibromofluoromethane (Surr)	110		75 - 123		06/08/23 19:48	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-002**

**Lab Sample ID: 480-209367-2**

Date Collected: 05/31/23 10:20

Matrix: Water

Date Received: 06/01/23 10:00

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>9.9</b>		1.0	0.81	ug/L			06/08/23 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 14:45	1
Trichloroethene	ND	*+	1.0	0.46	ug/L			06/08/23 14:45	1
<b>Vinyl chloride</b>	<b>15</b>		1.0	0.90	ug/L			06/08/23 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		06/08/23 14:45	1
4-Bromofluorobenzene (Surr)	110		73 - 120		06/08/23 14:45	1
Toluene-d8 (Surr)	82		80 - 120		06/08/23 14:45	1
Dibromofluoromethane (Surr)	108		75 - 123		06/08/23 14:45	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-003**

**Lab Sample ID: 480-209367-3**

Date Collected: 05/31/23 10:20

Matrix: Water

Date Received: 06/01/23 10:00

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>10</b>		1.0	0.81	ug/L			06/08/23 15:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 15:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 15:10	1
Trichloroethene	ND	*+	1.0	0.46	ug/L			06/08/23 15:10	1
<b>Vinyl chloride</b>	<b>16</b>		1.0	0.90	ug/L			06/08/23 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		06/08/23 15:10	1
4-Bromofluorobenzene (Surr)	108		73 - 120		06/08/23 15:10	1
Toluene-d8 (Surr)	81		80 - 120		06/08/23 15:10	1
Dibromofluoromethane (Surr)	104		75 - 123		06/08/23 15:10	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-004**

**Lab Sample ID: 480-209367-4**

**Date Collected: 05/31/23 10:40**

**Matrix: Water**

**Date Received: 06/01/23 10:00**

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			06/08/23 15:35	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/08/23 15:35	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/08/23 15:35	4
Trichloroethene	ND	*+	4.0	1.8	ug/L			06/08/23 15:35	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/08/23 15:35	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		06/08/23 15:35	4
4-Bromofluorobenzene (Surr)	109		73 - 120		06/08/23 15:35	4
Toluene-d8 (Surr)	83		80 - 120		06/08/23 15:35	4
Dibromofluoromethane (Surr)	106		75 - 123		06/08/23 15:35	4



# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-005**

**Lab Sample ID: 480-209367-5**

**Date Collected: 05/31/23 10:50**

**Matrix: Water**

**Date Received: 06/01/23 10:00**

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/08/23 15:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 15:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 15:59	1
Trichloroethene	ND	*+	1.0	0.46	ug/L			06/08/23 15:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/23 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		06/08/23 15:59	1
4-Bromofluorobenzene (Surr)	108		73 - 120		06/08/23 15:59	1
Toluene-d8 (Surr)	81		80 - 120		06/08/23 15:59	1
Dibromofluoromethane (Surr)	108		75 - 123		06/08/23 15:59	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 11222535-WG-053123-CE-006**

**Lab Sample ID: 480-209367-6**

**Date Collected: 05/31/23 11:05**

**Matrix: Water**

**Date Received: 06/01/23 10:00**

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			06/08/23 16:23	10
Tetrachloroethene	ND		10	3.6	ug/L			06/08/23 16:23	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			06/08/23 16:23	10
Trichloroethene	ND	*+	10	4.6	ug/L			06/08/23 16:23	10
<b>Vinyl chloride</b>	<b>60</b>		10	9.0	ug/L			06/08/23 16:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/08/23 16:23	10
4-Bromofluorobenzene (Surr)	108		73 - 120		06/08/23 16:23	10
Toluene-d8 (Surr)	81		80 - 120		06/08/23 16:23	10
Dibromofluoromethane (Surr)	107		75 - 123		06/08/23 16:23	10

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-209367-7**

Date Collected: 05/31/23 12:02

Matrix: Water

Date Received: 06/01/23 10:00

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/09/23 11:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/09/23 11:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/09/23 11:15	1
Trichloroethene	ND		1.0	0.46	ug/L			06/09/23 11:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/09/23 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		06/09/23 11:15	1
4-Bromofluorobenzene (Surr)	111		73 - 120		06/09/23 11:15	1
Toluene-d8 (Surr)	99		80 - 120		06/09/23 11:15	1
Dibromofluoromethane (Surr)	114		75 - 123		06/09/23 11:15	1

# Surrogate Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-209367-1	11222535-WG-053123-CE-001	110	99	98	110
480-209367-2	11222535-WG-053123-CE-002	92	110	82	108
480-209367-3	11222535-WG-053123-CE-003	93	108	81	104
480-209367-4	11222535-WG-053123-CE-004	95	109	83	106
480-209367-5	11222535-WG-053123-CE-005	96	108	81	108
480-209367-6	11222535-WG-053123-CE-006	97	108	81	107
480-209367-7	TRIP BLANK	111	111	99	114
LCS 480-672374/6	Lab Control Sample	100	108	81	113
LCS 480-672391/6	Lab Control Sample	104	100	100	106
LCS 480-672454/6	Lab Control Sample	104	111	103	105
MB 480-672374/8	Method Blank	96	103	80	108
MB 480-672391/8	Method Blank	104	104	100	105
MB 480-672454/8	Method Blank	112	111	100	116

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 480-672374/8**  
**Matrix: Water**  
**Analysis Batch: 672374**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/08/23 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 13:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/23 13:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/23 13:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		06/08/23 13:51	1
4-Bromofluorobenzene (Surr)	103		73 - 120		06/08/23 13:51	1
Toluene-d8 (Surr)	80		80 - 120		06/08/23 13:51	1
Dibromofluoromethane (Surr)	108		75 - 123		06/08/23 13:51	1

**Lab Sample ID: LCS 480-672374/6**  
**Matrix: Water**  
**Analysis Batch: 672374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
cis-1,2-Dichloroethene	25.0	30.8		ug/L		123	74 - 124
Tetrachloroethene	25.0	27.4		ug/L		110	74 - 122
trans-1,2-Dichloroethene	25.0	31.0		ug/L		124	73 - 127
Trichloroethene	25.0	31.2	*+	ug/L		125	74 - 123
Vinyl chloride	25.0	32.4		ug/L		130	65 - 133

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	81		80 - 120
Dibromofluoromethane (Surr)	113		75 - 123

**Lab Sample ID: MB 480-672391/8**  
**Matrix: Water**  
**Analysis Batch: 672391**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/08/23 18:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/23 18:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/23 18:02	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/23 18:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/23 18:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		06/08/23 18:02	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/08/23 18:02	1
Toluene-d8 (Surr)	100		80 - 120		06/08/23 18:02	1
Dibromofluoromethane (Surr)	105		75 - 123		06/08/23 18:02	1

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 480-672391/6**  
**Matrix: Water**  
**Analysis Batch: 672391**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Vinyl chloride	25.0	28.1		ug/L		113	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	106		75 - 123

**Lab Sample ID: MB 480-672454/8**  
**Matrix: Water**  
**Analysis Batch: 672454**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/09/23 10:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/09/23 10:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/09/23 10:42	1
Trichloroethene	ND		1.0	0.46	ug/L			06/09/23 10:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/09/23 10:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		06/09/23 10:42	1
4-Bromofluorobenzene (Surr)	111		73 - 120		06/09/23 10:42	1
Toluene-d8 (Surr)	100		80 - 120		06/09/23 10:42	1
Dibromofluoromethane (Surr)	116		75 - 123		06/09/23 10:42	1

**Lab Sample ID: LCS 480-672454/6**  
**Matrix: Water**  
**Analysis Batch: 672454**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124
Tetrachloroethene	25.0	28.0		ug/L		112	74 - 122
trans-1,2-Dichloroethene	25.0	29.9		ug/L		120	73 - 127
Trichloroethene	25.0	28.6		ug/L		114	74 - 123
Vinyl chloride	25.0	28.6		ug/L		114	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	111		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## GC/MS VOA

### Analysis Batch: 672374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209367-2	11222535-WG-053123-CE-002	Total/NA	Water	8260C	
480-209367-3	11222535-WG-053123-CE-003	Total/NA	Water	8260C	
480-209367-4	11222535-WG-053123-CE-004	Total/NA	Water	8260C	
480-209367-5	11222535-WG-053123-CE-005	Total/NA	Water	8260C	
480-209367-6	11222535-WG-053123-CE-006	Total/NA	Water	8260C	
MB 480-672374/8	Method Blank	Total/NA	Water	8260C	
LCS 480-672374/6	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 672391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209367-1	11222535-WG-053123-CE-001	Total/NA	Water	8260C	
MB 480-672391/8	Method Blank	Total/NA	Water	8260C	
LCS 480-672391/6	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 672454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209367-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-672454/8	Method Blank	Total/NA	Water	8260C	
LCS 480-672454/6	Lab Control Sample	Total/NA	Water	8260C	

# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: 1122535, 110 Luther Avenue

Job ID: 480-209367-1

**Client Sample ID: 1122535-WG-053123-CE-001**

**Lab Sample ID: 480-209367-1**

Date Collected: 05/31/23 10:05

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	672391	ATG	EET BUF	06/08/23 19:48

**Client Sample ID: 1122535-WG-053123-CE-002**

**Lab Sample ID: 480-209367-2**

Date Collected: 05/31/23 10:20

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	672374	AXK	EET BUF	06/08/23 14:45

**Client Sample ID: 1122535-WG-053123-CE-003**

**Lab Sample ID: 480-209367-3**

Date Collected: 05/31/23 10:20

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	672374	AXK	EET BUF	06/08/23 15:10

**Client Sample ID: 1122535-WG-053123-CE-004**

**Lab Sample ID: 480-209367-4**

Date Collected: 05/31/23 10:40

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	672374	AXK	EET BUF	06/08/23 15:35

**Client Sample ID: 1122535-WG-053123-CE-005**

**Lab Sample ID: 480-209367-5**

Date Collected: 05/31/23 10:50

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	672374	AXK	EET BUF	06/08/23 15:59

**Client Sample ID: 1122535-WG-053123-CE-006**

**Lab Sample ID: 480-209367-6**

Date Collected: 05/31/23 11:05

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	672374	AXK	EET BUF	06/08/23 16:23

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-209367-7**

Date Collected: 05/31/23 12:02

Matrix: Water

Date Received: 06/01/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	672454	LCH	EET BUF	06/09/23 11:15

**Laboratory References:**

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

Eurofins Buffalo



# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

## Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

- 1
- 2
- 3
- 4
- 5
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- 15

# Method Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

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

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# Sample Summary

Client: GHD Services Inc.  
Project/Site: 11222535, 110 Luther Avenue

Job ID: 480-209367-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209367-1	11222535-WG-053123-CE-001	Water	05/31/23 10:05	06/01/23 10:00
480-209367-2	11222535-WG-053123-CE-002	Water	05/31/23 10:20	06/01/23 10:00
480-209367-3	11222535-WG-053123-CE-003	Water	05/31/23 10:20	06/01/23 10:00
480-209367-4	11222535-WG-053123-CE-004	Water	05/31/23 10:40	06/01/23 10:00
480-209367-5	11222535-WG-053123-CE-005	Water	05/31/23 10:50	06/01/23 10:00
480-209367-6	11222535-WG-053123-CE-006	Water	05/31/23 11:05	06/01/23 10:00
480-209367-7	TRIP BLANK	Water	05/31/23 12:02	06/01/23 10:00

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# Chain of Custody Record



Environment Testing

**Syracuse**  
Chain of Custody

**Client Information**  
 Client Contact: **Corkene Eaton**  
 Phone: **607 345 6565**  
 Company: **Consulting Services Inc. (CEE)**  
 Address: **5785 Wadsworth Parkway**  
 City: **Syracuse (CEE)**  
 State, Zip: **NY, 13214 (CEE)**  
 Phone: **315-422-4000 (CEE)**  
 Email: **linda.waters@ghd.com**  
 Project Name: **110 Luther Avenue**  
 Site: **Site**

**Lab PM:** Heckler, Denise D  
**E-Mail:** Denise.Heckler@et.eurofins.com  
**State of Origin:** #225  
**Job #:**

**Analysis Requested**

**Due Date Requested:**  
 TAT Requested (days): **Standard**  
 Compliance Project:  Yes  No  
 Purchase Order not required  
 PO #: **315-802-0260 (CEE)**  
 WO #: **315-802-0260 (CEE)**  
 Project #: **48005763**  
 SSOW#: **Site**

**Preservation Codes:**  
 M - Hexane  
 N - None  
 O - AsNaO2  
 P - Na2OAS  
 Q - Na2SO3  
 R - Na2S2O3  
 S - H2SO4  
 T - TSP Dodecahydrate  
 U - Acetone  
 V - MCAA  
 W - pH 4-5  
 Y - Trizma  
 Z - other (specify)

**8260C - PCE, TCE, cis-DCE, trans-DCE, & VC only**

**Field Filtered Sample (Yes or No)**  A  
**Field Form Used (Yes or No)**  A

**Special Instructions/Note:**

**480-209367 Chain of Custody**

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, b=soil, o=water, a=air)	Preservation Code:	Field Filtered Sample (Yes or No)	Field Form Used (Yes or No)	Total Number	Special Instructions/Note:
Direct Bill to Syracuse Label Attn: Paul Rouk									
11222 535-06-053123-CE-001	5-31-23	1005	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
11222 535-06-053123-CE-002	5-31-23	1010	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
11222 535-06-053123-CE-003	5-31-23	1020	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
11222 535-06-053123-CE-004	5-31-23	1040	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
11222 535-06-053123-CE-005	5-31-23	1050	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
11222 535-06-053123-CE-006	5-31-23	1105	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
TOP Blank	5-31-23	1202	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	
				Water					

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  
 Deliverable Requested: I, II, III, IV, Other (specify)

**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:** **NYS DEC FORMS END**

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_

**Relinquished by:** **CEE Waters** Date/Time: **5/31/23 1205** Company: **GHd**

**Relinquished by:** **Paul Rouk** Date/Time: **5-31-23 1900** Company: **CEE**

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Custody Seals Intact:**  Yes  No  Custody Seal No.: \_\_\_\_\_

**Received by:** **Paul Rouk** Date/Time: **5-31-23 1205** Company: **GHd**

**Received by:** **Paul Rouk** Date/Time: **6/1/23 1000** Company: **GHd**

**Received by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Cooler Temperature(s) °C and Other Remarks:** **3.5 # 1 CUS**

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-209367-1

**Login Number: 209367**

**List Number: 1**

**Creator: Stopa, Erik S**

**List Source: Eurofins 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	GHD
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



# **Attachment 2**

**Groundwater Field Sampling Logs**











