



5788 Widewaters Parkway  
Syracuse, New York 13214  
United States  
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Our ref: 11222535

July 14, 2022

**Mr. Christopher Mannes III, P.E.**  
Project Manager  
NYSDEC Region 7  
615 Erie Boulevard West  
Syracuse, NY 13204

**Re: 110 Luther Avenue BCP Site (Site #C734118), Spring 2022 Groundwater Monitoring Results**

Dear Mr. Mannes:

GHD Consulting Services Inc. (GHD) has completed the spring 2022 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, laboratory analytical report and groundwater field sampling logs for your reference. The spring 2022 groundwater monitoring data will be submitted to the EQulS database for upload.

Based on recent groundwater monitoring analytical data, it is apparent that the off-Site groundwater monitoring well, MW-18, sample concentrations are showing a notable increasing trend for DCE and VC. The on-Site (110 Luther Avenue BCP Site) groundwater monitoring well's sample data indicate no increases with concentrations that are generally non-detect, meet the NYS Class GA groundwater standards, or at lower concentrations. The increasing concentrations in samples taken from MW-18 correlate with off-Site development activities by UniFirst that have altered the subgrade conditions (i.e., building demolition, excavations, dewatering, etc.). The remedial investigations at the UniFirst BCP Site located to the south and east of Luther Avenue have clearly identified an on-site source of chlorinated VOCs. Based on the recent UniFirst groundwater monitoring well gauging data report, related groundwater flow is to the north and west towards Luther Avenue and 7<sup>th</sup> North Street. A fair review of existing data evidence that the increasing trends observed in samples taken from MW-18 are not related to the 110 Luther Avenue BCP Site.

We will contact you prior to the next round of groundwater monitoring, which is scheduled for November 2022, in accordance with the currently approved SMP.

Please contact me at 315-802-0312 if you have any questions or concerns.

Regards

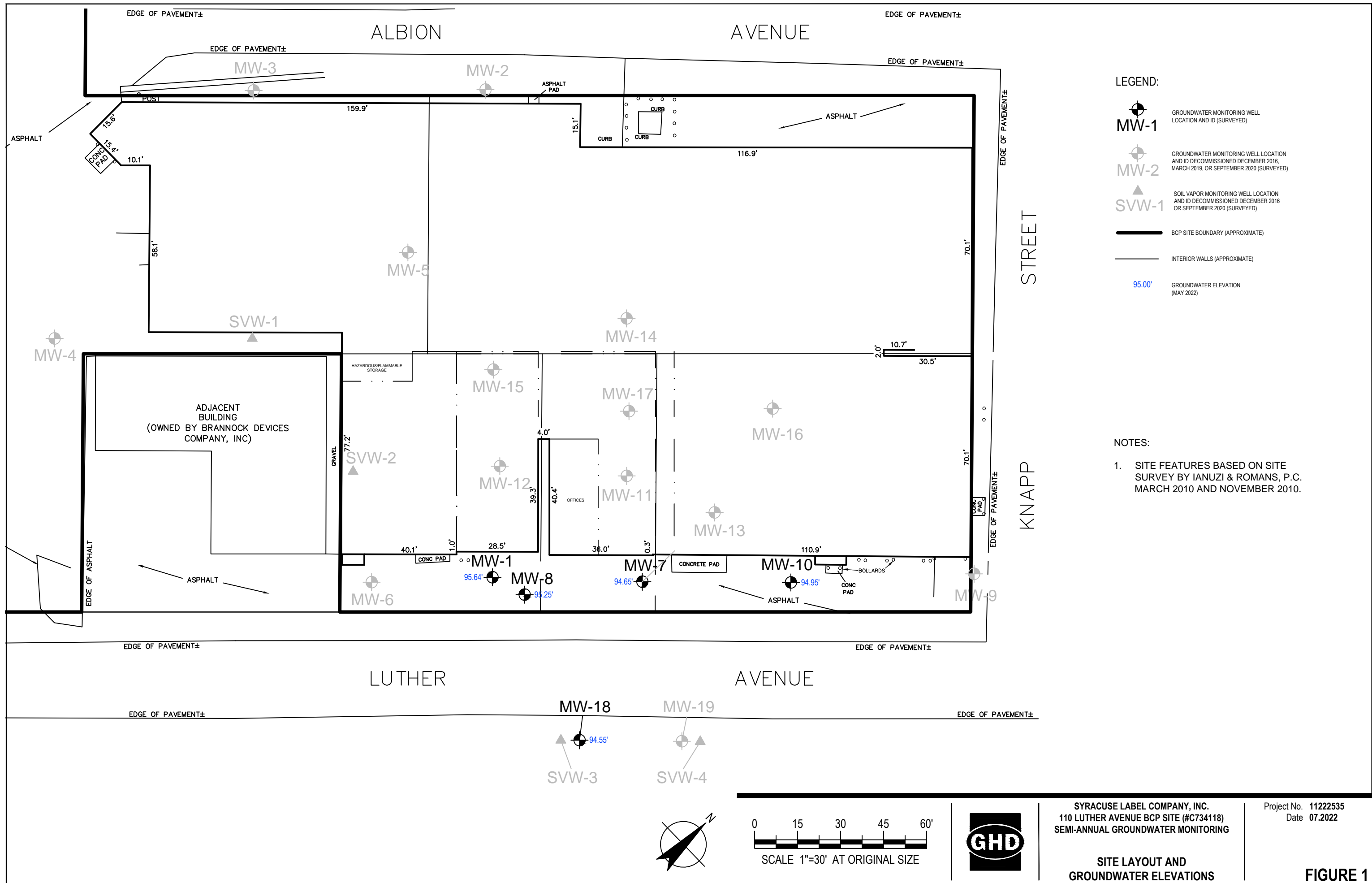
**Ian McNamara**  
Geologist

315-802-0312  
ian.mcnamara@ghd.com







Enclosures: As identified above

cc: Paul Roux, Syracuse Label (w/enclosures)  
Doreen Simmons, Hancock Estabrook (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)
-  95.00' GROUNDWATER ELEVATION (MAY 2022)

NOTES:

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

# Tables



**Table 1**  
**Groundwater Elevations**

Syracuse Label Co. 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
	3/29/2012			2.32	11.11	95.43	0.35
	12/20/2012			2.41	11.11	95.34	0.35
	3/28/2013			2.45	11.11	95.30	0.35
	12/18/2013			2.55	11.11	95.20	0.34
	6/18/2014			2.31	11.20	95.44	0.36
	6/24/2015			2.01	11.20	95.74	0.37
	9/28/2015			2.35	11.20	95.40	0.35
	7/6/2016			2.65	11.25	95.10	0.34
	9/22/2016			1.66	11.25	96.09	0.38
	5/31/2017			1.64	11.48	96.11	0.39
	11/29/2017			1.55	11.50	96.20	0.40
	5/31/2018			1.75	11.45	96.00	0.39
	12/18/2018			1.70	11.48	96.05	0.39
	3/8/2019			1.62	11.48	96.13	0.39
	11/25/2019			2.66	11.30	95.09	0.35
	5/29/2020			2.23	11.42	95.52	0.37
	11/19/2020			2.24	11.38	95.51	0.37
	5/20/2021			1.91	11.38	95.84	0.38
11/19/2021	2.13	11.43	95.62	0.37			
5/31/2022	2.11	11.42	95.64	0.37			



**Table 1**  
**Groundwater Elevations**

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



**Table 1**  
**Groundwater Elevations**

Syracuse Label Co. 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
	8/30/2011			2.50	17.05	94.88	2.33
	9/22/2011			2.46	17.05	94.92	2.33
	3/30/2012			2.51	17.06	94.87	2.33
	6/28/2012			2.76	17.06	94.62	2.29
	9/13/2012			2.90	17.06	94.48	2.27
	12/21/2012			2.41	17.06	94.97	2.34
	3/28/2013			2.37	17.26	95.01	2.38
	6/27/2013			2.42	16.55	94.96	2.26
	9/26/2013			2.95	16.55	94.43	2.18
	12/18/2013			2.95	16.55	94.43	2.18
	3/26/2014			2.86	16.55	94.52	2.19
	6/18/2014			2.61	16.55	94.77	2.23
	9/29/2014			2.86	16.50	94.52	2.18
	12/29/2014			2.59	16.27	94.79	2.19
	3/30/2015			2.35	16.51	95.03	2.27
	6/24/2015			2.78	16.50	94.60	2.20
	9/29/2015			3.42	16.49	93.96	2.09
	12/29/2015			NM	NM		
	3/30/2016			2.14	16.70	95.24	2.33
	7/6/2016			3.62	16.75	93.76	2.10
	9/22/2016			6.04	16.75	91.34	1.71
	12/20/2016			2.25	16.81	95.13	2.33
	5/31/2017			2.34	17.00	95.04	2.35
	11/29/2017			3.25	17.02	94.13	2.20
	5/31/2018			2.20	17.00	95.18	2.37
	12/18/2018			2.26	17.00	95.12	2.36
	3/8/2019			2.11	17.04	95.27	2.39
	11/25/2019			2.39	16.95	94.99	2.33
	5/29/2020			1.88	17.08	95.50	2.43
	11/19/2020			2.49	17.05	94.89	2.33
	5/20/2021			2.29	17.04	95.09	2.36
11/19/2021	2.24	17.07	95.14	2.37			
5/31/2022	2.13	17.10	95.25	2.40			



**Table 1**  
**Groundwater Elevations**

Syracuse Label Co. 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)
<b>MW-10</b>	9/22/2011	Top of PVC	97.34	2.60	11.82	94.74	1.48
	3/29/2012			2.64	11.82	94.70	1.47
	12/21/2012			2.63	11.82	94.71	1.47
	3/28/2013			2.49	11.82	94.85	1.49
	12/18/2013			2.62	12.95	94.72	1.65
	6/18/2014			2.42	13.11	94.92	1.71
	6/24/2015			2.28	13.25	95.06	1.76
	7/6/2016			2.85	13.55	94.49	1.71
	11/29/2017			2.44	14.00	94.90	1.85
	5/31/2018			2.28	14.00	95.06	1.88
	12/18/2018			NM	NM		
	3/8/2019			2.13	14.21	95.21	1.93
	11/25/2019			2.31	14.09	95.03	1.88
	5/29/2020			2.08	14.18	95.26	1.94
	11/19/2020			2.64	14.20	94.70	1.85
	5/20/2021			2.77	14.20	94.57	1.83
	11/19/2021			2.31	14.30	95.03	1.92
5/31/2022	2.39	14.33	94.95	1.91			





**Table 1**  
**Groundwater Elevations**

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



**Table 2**  
**Summary of Sample Field Parameters**

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

		Field					
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	oC	NTU
Well ID	Date Sampled						
MW-01	9/22/2011	12.01	4.032	8.81	-156.2	16.07	1,000
	3/29/2012	2.44	2.598	7.13	-106	11.1	689.4
	12/20/2012	3.49	1.428	7.6	96.7	11.56	398.6
	6/18/2014	0.78	3.149	6.94	-127.2	17.91	1,053
	6/24/2015	0.98	3.845	6.99	-144.3	19.6	603.1
	9/28/2015	0.47	3.482	7.2	-130.1	19.82	282.1
	7/6/2016	0.96	3.105	7.05	-52	21.72	458.9
	9/22/2016	0.63	2.287	6.65	-144.7	23.63	330.1
	5/31/2017	2.61	1.94	7.44	-96.3	22.1	26.4
	11/29/2017	3.91	1.278	7.06	-103.9	13.62	57.4
	5/31/2018	2.21	2.514	6.62	-45.9	21.1	70.9
	12/18/2018	2.19	2.062	7.38	-80.2	9.1	43
	3/8/2019	4.98	2.812	7	-77.6	10.1	35.4
	11/25/2019	3.68	2.506	6.99	-130.7	14.9	59.61
	5/29/2020	4.78	2.688	6.93	-44.7	20.5	25.67
	11/19/2020	4.9	2.306	7.08	-87	14.9	37.24
	5/20/2021	4.12	4.262	6.73	-44	16.8	39.02
	11/19/2021	5	2.312	7.16	-65.5	12.7	126
5/31/2022	3.68	2.618	7.21	-74.5	19.9	58.61	



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

		Field					
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	oC	NTU
Well ID	Date Sampled						
MW-07	2/16/2010	1.3	1.202	6.88	-77.6	10.73	550
	2/18/2011	5.9	1.073	6.75	5.5	12.05	7.7
	3/22/2011	2.37	1.511	6.18	-190.9	11.55	995.6
	4/18/2011	-15.82	1.356	6.24	-208.7	11.99	54.3
	6/22/2011	6.09	1.438	6.52	-126.2	15.45	24.6
	8/30/2011	20.64	2.073	6.57	-165.6	14.5	9.6
	9/22/2011	14.75	1.833	6.82	-152.7	12.91	410
	3/29/2012	0.5	1.188	6.88	-124.2	13.34	9.9
	6/28/2012	1.44	2.2	6.13	-232.5	16.42	3.9
	9/13/2012	0.42	2.785	6.03	-71.9	18.39	9.6
	12/21/2012	3.69	2.314	6.72	-101.2	15.63	1,190
	3/28/2013	-4.72	1.532	6.83	-133.8	13.78	271.3
	6/27/2013	0.14	3.256	5.57	-127.9	16.52	1,068
	9/26/2013	4.3	4.264	6.67	-107.6	18.76	174.3
	12/18/2013	0.4	3.696	7.15	-180.4	15.68	458.4
	3/26/2014	4.18	3.297	6.9	-162.1	11.72	20.3
	6/18/2014	0.31	2.852	6.99	-141.3	15.04	1,344
	9/29/2014	0.61	3.02	7.16	-131.2	18.58	289.1
	12/29/2014	0.75	2.706	6.9	-152.9	13.98	213.8
	3/30/2015	0.87	1.816	7.05	-102.8	10.78	182.7
	6/24/2015	3.23	2.97	7.08	-142.8	16.12	66.9
	9/28/2015	1.21	2.524	7.08	-136.8	17.63	155.8
	12/28/2015	0.75	2.72	6.96	-128.7	14.02	73.2
	3/30/2016	4.53	1.152	7.1	-149.6	13.91	58.7
	7/6/2016	0.49	2.564	7.03	-94.6	17.66	360.9
	9/22/2016	0.33	2.859	6.48	-109.4	18.9	243.4
	12/20/2016	1.33	3.398	7.04	-148.8	15.48	175.1
	5/31/2017	2.48	2.797	6.8	-87.7	22.14	167
	11/29/2017	4.26	2.634	6.95	-100.5	15.89	142
	5/31/2018	0.87	2.788	6.71	-89.1	18.9	52.5
	12/18/2018	2.06	2.588	6.79	-80.8	12.9	10
	3/8/2019	3.82	2.753	6.77	-100.9	9.2	12.5
	11/25/2019	3.07	2.716	6.93	-169	15.2	32.51
5/29/2020	2.45	2.582	6.88	-95.2	17.9	23.2	
11/19/2020	2.57	2.681	6.77	-105.2	16.4	28.24	
5/20/2021	3.7	2.525	6.76	-95.1	17.2	15.43	
11/19/2021	2.7	2.117	6.97	-95.5	14	37	
5/31/2022	2.5	2.328	6.93	-114.7	19.5	26.87	



**Table 2**  
**Summary of Sample Field Parameters**

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

		Field					
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
		mg/L	mS/cm	pH_Units	mV	oC	NTU
Well ID	Date Sampled						
MW-08	6/22/2011	0.6	1.916	6.78	-39.6	14.68	970.2
	8/30/2011	28.42	2.358	6.42	-162.3	14.59	17
	9/22/2011	19.61	2.081	7.55	-147.8	13.46	30
	3/29/2012	1.11	1.854	6.7	-132.6	13	23.6
	6/28/2012	0.75	1.902	6.21	-76.3	16.64	0.9
	9/13/2012	0.43	1.55	6.57	-39.1	18.61	14.9
	12/21/2012	4.91	1.357	6.87	-43.7	14.92	4.8
	3/28/2013	-1.63	2.847	5.83	-117.6	11.88	516.6
	6/27/2013	0.15	3.944	5.11	-87	16.24	288.7
	9/26/2013	2.96	4.126	6.2	-117.3	18.38	28.3
	12/18/2013	0.2	4.235	6.94	-155.4	13.92	119.8
	3/26/2014	3.41	6.521	6.64	-121.8	9.28	30
	6/18/2014	0.22	3.205	6.79	-131.5	14.55	112.5
	9/29/2014	0.35	2.888	6.73	-119.6	17.92	19.4
	12/29/2014	0.73	2.577	6.48	-129.2	14.22	88.6
	3/30/2015	0.86	3.18	6.89	-105.9	10.64	22
	6/24/2015	0.51	2.502	6.74	-130	14.6	40
	9/29/2015	0.18	2.585	6.74	-112.5	17.77	8.1
	3/30/2016	3.41	1.186	6.95	-130.8	13.13	22.2
	7/6/2016	0.51	2.121	6.81	-64.3	15.32	99.3
	9/22/2016	0.25	2.469	6.39	-85.8	18.24	304.7
	12/20/2016	0.93	2.841	6.86	-136.3	14.98	185.4
	5/31/2017	6.69	1.437	6.87	-99.9	21.67	96.7
	11/29/2017	28.4	2.269	6.86	-93.5	16.23	37.5
	5/31/2018	0.97	2.313	6.92	-68.1	21.4	37.7
	12/18/2018	1.89	2.535	7.04	-81	12.6	0.4
	3/8/2019	11.12	0.731	8.27	11.3	5.1	28.8
	11/25/2019	2.2	2.517	7.03	-150.8	14.3	11.33
	5/29/2020	2.17	2.449	6.95	-84.6	18.6	5.69
	11/19/2020	2.98	2.575	6.93	-103.1	15.6	5.46
5/20/2021	3.69	2.727	6.98	-87.1	16.1	11.07	
11/19/2021	2.7	2.055	7.1	-86.5	13	24.5	
5/31/2022	1.97	1.849	7.31	-132	20.1	23.69	



**Table 2**  
**Summary of Sample Field Parameters**

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

		Field					
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	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
	3/29/2012	0.38	0.857	7.09	-98.6	12.04	256.7
	12/21/2012	4.24	0.906	7.23	-10.1	14.92	401.7
	6/18/2014	0.33	2.388	6.74	-68.4	16.86	1,713
	6/24/2015	0.2	2.276	6.89	-148.1	15.23	250.2
	7/6/2016	0.46	0.973	7.02	-77.4	15.54	631.1
	11/29/2017	2.81	0.993	7.39	-123.9	16.54	197.6
	3/8/2019	2.89	1.282	7.19	-107.9	8.6	27.1
	11/25/2019	2.11	1.259	7.41	-180.8	14	48.47
	5/29/2020	2.64	1.3	7.26	-121.7	17.4	46.5
	11/19/2020	3.17	1.58	7.13	-127.2	15.9	23.1
	5/20/2021	2.36	1.848	7.22	-118.6	17.4	26.51
	11/19/2021	3.2	1.164	7.32	-112.8	13.1	16
	5/31/2022	1.93	1.326	7.28	-147.6	19.9	28.82



**Table 2**  
**Summary of Sample Field Parameters**

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

		Field					
		Dissolved Oxygen	Electrical Conductivity	pH	Redox	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
	9/22/2011	0.62	1.504	6.89	-234.3	19.64	0.8
	3/29/2012	0.79	2.312	7.5	-100	9.6	198.5
	12/20/2012	0.54	1.562	7.2	44.7	10.75	29.3
	6/19/2014	0.61	1.741	7.35	-69.1	15.42	26.5
	12/29/2014	0.24	1.833	7.64	-108.6	10.81	35.4
	6/24/2015	2.69	3.617	7.14	-103.4	14.25	468.5
	12/30/2015	1.01	2.876	7.42	-63.2	11.94	74.6
	7/7/2016	0.81	3.015	7.32	8.6	14.96	21.6
	9/22/2016	0.38	3.84	6.86	-74.4	22.98	0.3
	5/31/2017	2.96	1.484	7.44	-89.7	17.67	360
	11/29/2017	4.49	1.899	7.71	-76.1	13.85	538.4
	5/31/2018	1.41	1.458	7.52	-87.7	20.2	22.8
	12/18/2018	1.95	1.741	7.6	-46.8	10.8	50.6
	3/8/2019	3.91	1.588	7.42	16.3	6	39.1
	11/25/2019	3.57	1.757	7.54	-143.1	13.6	37.76
	5/29/2020	3.25	1.96	7.21	-80.1	18.6	17.73
	11/19/2020	3.1	1.371	7.71	-84.7	15	91.55
	5/20/2021	3.57	2.212	7.57	-103.6	16.6	33.42
	11/19/2021	3.1	1.21	7.47	-102.2	11.8	33
5/31/2022	2.01	1.707	7.3	-145	18.8	20.13	



**Table 3**  
**Summary of Groundwater Sample Analytical Results**

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

		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					
MW-01	2/10/2010	60	39	150	0.91J	33
	9/11/2011	72	34	110	<0.76U	12
	3/30/2012	45	19	100	<1U	29
	12/20/2012	25	21	78	<1U	25
	6/19/2014	0.92J	1.9	59	<1U	17
	6/25/2015	<1U	0.59J	130	<1U	42
	9/29/2015	1.3J	2.4	220	<2U	94
	7/7/2016	1.1J	7.2	2,500	3.4	1,100
	9/23/2016	<0.36U	1.7	410	1.3	160
	5/31/2017	<3.6U	6.4J	910	<9U	250
	11/29/2017	<3.6U	<4.6U	440	<9U	290
	5/31/2018	<3.6U	<4.6U	1,000	<9U	580
	12/18/2018	<3.6U	<4.6U	550	<9U	380
	3/8/2019	1.7J	11	560	2	200
	11/25/2019	<3.6U	<4.6U	430	<9U	550
	5/29/2020	<3.6U	<4.6U	470	<9U	570
	11/19/2020	<3.6U	<4.6U	140	<9U	210
	5/20/2021	<1.4U	<1.8U	110	<3.6U	130
	11/19/2021	2.8J	2.1J	72	<3.6U	110
	5/31/2022	<0.36U	<0.46U	47	<0.9U	87

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**Table 3**  
**Summary of Groundwater Sample Analytical Results**

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

		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					
MW-07	1/1/2008	14,000	1,700	2,600	<200U	560
	2/11/2010	27,000	4,300	2,600	<150U	260J
	2/11/2011	17,000	2,600	2,600	<150U	620J
	3/11/2011	6,900	3,600	14,000	<76U	460J
	4/11/2011	370J	150J	17,000	<150U	690J
	6/11/2011	1,600	3,300	19,000	<190U	1,100J
	8/11/2011	240J	520J	24,000	<190U	8,500
	9/11/2011	240J	380	7,400	<38U	4,300
	3/29/2012	34	170J	11,000	36	4,300
	6/28/2012	<200U	140J	26,000	<200U	8,400
	9/13/2012	<400U	<400U	27,000	<400U	8,900
	12/21/2012	<400U	<400U	16,000	<400U	8,100
	3/28/2013	<400U	<400U	18,000	<400U	7,900
	6/27/2013	<80U	<80U	4,300	<80U	3,300
	9/26/2013	<80U	<80U	6,300	<80U	3,000
	12/18/2013	<40U	<40U	2,300	<40U	2,400
	3/26/2014	<20U	<20U	1,400	<20U	1,500
	6/18/2014	<20U	<20U	510	<20U	720
	9/29/2014	<4U	<4U	32	<4U	88
	12/29/2014	<1.8U	<2.3U	39	<4.5U	31
	3/30/2015	<5U	<5U	22	<5U	38
	6/25/2015	<5U	<5U	6.5	<5U	24
	9/28/2015	<5U	<5U	21	<5U	46
	12/28/2015	<5U	<5U	<5U	<5U	9.9
	3/30/2016	<5U	<5U	4.9J	<5U	18
	7/6/2016	<0.36U	<0.46U	1.6	<0.9U	6.3
	9/22/2016	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
	12/20/2016	<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
	5/31/2017	<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
	11/29/2017	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U
5/31/2018	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	
12/18/2018	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	
3/8/2019	<0.72U	<0.92U	<1.6U	<1.8U	<1.8U	
11/25/2019	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	
5/29/2020	<1.4U	<1.8U	26	<3.6U	67	
11/19/2020	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	
5/20/2021	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	
11/19/2021	<1.4U	<1.8U	<3.2U	<3.6U	<0.5U	
5/31/2022	<1.4U	<1.8U	<3.2U	<3.6U	<3.6U	

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**Table 3**  
**Summary of Groundwater Sample Analytical Results**

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

		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	5	5	5	5	2
MW-08	1/2/2008	6,200	920	1,600	<200U	290
	2/1/2010	3,900	860	2,500	<15U	250
	6/11/2011	1,500	540	1,700	<19U	200
	8/11/2011	380J	140J	5,100	100J	4,000
	9/11/2011	1,100J	420J	7,900	83J	2,800
	3/30/2012	82	22	140	1.1	66
	6/28/2012	1,000	460	4,000	21	1,300
	9/13/2012	9,500	1,900	8,000	34	2,100
	12/21/2012	1,800	470	6,600	<100U	2,700
	3/28/2013	800	380	9,400	<200U	4,300
	6/27/2013	17J	<40U	2,100	<40U	2,000
	9/26/2013	<40U	<40U	160	<40U	67
	12/18/2013	<40U	<40U	<40U	<40U	110
	3/26/2014	<5U	<5U	330	<5U	380
	6/18/2014	<5U	<5U	110	<5U	67
	9/29/2014	<1U	<1U	0.46J	<1U	<1U
	12/29/2014	<1.8U	<2.3U	<4.1U	<4.5U	<4.5U
	3/30/2015	<40U	<40U	2,100	<40U	1,300
	6/25/2015	<40U	<40U	1,500	<40U	430
	9/29/2015	<10U	<10U	310	<10U	160
	3/30/2016	<10U	<10U	610	<10U	310
	7/6/2016	<3.6U	<4.6U	810	<9U	460
	9/22/2016	<3.6U	<4.6U	430	<9U	760
	12/20/2016	<0.72U	<0.92U	96	<1.8U	63
	5/31/2017	<3.6U	<4.6U	490	<9U	310
	11/29/2017	<0.36U	<0.46U	1	<0.9U	<0.9U
	5/31/2018	<3.6U	<4.6U	620	<9U	740
	12/18/2018	<1.4U	<1.8U	120	<3.6U	110
	3/8/2019	<0.72U	<0.92U	5.5	<1.8U	12U
	11/25/2019	<0.36U	<0.46U	21	<0.9U	28
5/29/2020	<0.36U	<0.46U	48	<0.9U	130	
11/19/2020	<0.36U	<0.46U	9.6	<0.9U	22	
5/20/2021	<0.36U	<0.46U	18	<0.9U	49	
11/19/2021	<1.4U	<1.8U	0.91J	<3.6U	3	
5/31/2022	<0.36U	<0.46U	6.9	<0.9U	12	

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**Table 3**  
**Summary of Groundwater Sample Analytical Results**

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

		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					
MW-10	9/11/2011	<0.81U	<0.62U	<b>93</b>	<0.76U	<b>13</b>
	3/30/2012	<1U	<1U	<b>56</b>	<1U	<b>13</b>
	12/20/2012	<1U	<1U	<b>90</b>	<1U	<b>13</b>
	6/19/2014	<5U	<5U	<5U	<5U	<5U
	6/25/2015	<5U	<5U	<5U	<5U	<5U
	7/7/2016	<0.36U	<0.46U	<0.81U	<0.9U	<b>0.98J</b>
	11/29/2017	<0.36U	<0.46U	<0.81U	<0.9U	<0.9U
	12/18/2018	0	-	-	-	-
	3/8/2019	<0.72U	<0.92U	<1.6U	<1.8U	<1.8U
	11/25/2019	<0.36U	<0.46U	<b>1.8</b>	<0.9U	<0.9U
	5/29/2020	<0.36U	<0.46U	<b>3.6</b>	<0.9U	<b>2.7</b>
	11/19/2020	<0.36U	<0.46U	<b>2.8</b>	<0.9U	<b>4.6</b>
	5/20/2021	<0.36U	<0.46U	<0.81U	<0.9U	<b>1.9</b>
	11/19/2021	<1.4U	<1.8U	<3.2U	<3.6U	<b>1.7</b>
5/31/2022	<0.36U	<0.46U	<0.81U	<0.9U	<0.9U	

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**Table 3**  
**Summary of Groundwater Sample Analytical Results**

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

		VOCs				
		Tetrachloroethene	Trichloroethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Vinyl chloride
Regulatory Standard		5	5	5	5	2
Sample ID	Date Sampled	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18	10/2/2010	<0.81U	<0.62U	<0.99U	<0.76U	<b>2.7J</b>
	9/11/2011	<0.81U	<0.62U	<b>13</b>	<0.76U	<b>17</b>
	3/30/2012	<1U	<1U	<b>29</b>	<1U	<b>9.2</b>
	12/20/2012	<1U	<1U	<b>5.5</b>	<1U	<1U
	6/19/2014	<1U	<1U	<b>230</b>	<1U	<b>30</b>
	12/29/2014	<1.8U	<2.3U	<b>75</b>	<4.5U	<b>9</b>
	6/25/2015	<5U	<5U	<b>350</b>	<5U	<b>31</b>
	12/30/2015	<5U	<5U	<b>160</b>	<5U	<b>15</b>
	7/7/2016	<1.8U	<2.3U	<b>460</b>	<4.5U	<b>58</b>
	9/22/2016	<1.8U	<2.3U	<b>65</b>	<4.5U	<4.5U
	5/31/2017	<1.8U	<2.3U	<b>610</b>	<4.5U	<b>86</b>
	11/29/2017	<1.8U	<2.3U	<b>470</b>	<4.5U	<b>92</b>
	5/31/2018	<1.8U	<2.3U	<b>670</b>	<4.5U	<b>96</b>
	12/18/2018	<1.8U	<2.3U	<b>940</b>	<4.5U	<b>140</b>
	3/8/2019	<0.72U	<0.92U	<b>970</b>	<1.8U	<b>130U</b>
	11/25/2019	<7.2U	<9.2U	<b>1,700</b>	<18U	<b>280</b>
	5/29/2020	<1.8U	<2.3U	<b>1,700</b>	<4.5U	<b>270</b>
	11/19/2020	<3.6U	<4.6U	<b>440</b>	<9U	<b>120</b>
5/20/2021	<3.6U	<4.6U	<b>1,500</b>	<9U	<b>470</b>	
11/19/2021	<1.4U	<1.8U	<b>6,500</b>	<3.6U	<b>6,300</b>	
5/31/2022	<45U	<58U	<b>12,000</b>	<110U	<b>11,000</b>	

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# Attachments

# **Attachment 1**

**Laboratory Analytical Report**

## ANALYTICAL REPORT

Eurofins Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-198507-1  
Client Project/Site: 11222535, 110 Luther Avenue

For:  
GHD Services Inc.  
One Remington Park Drive  
Cazenovia, New York 13035

Attn: Ian McNamara



Authorized for release by:  
6/13/2022 7:18:59 AM

Denise Heckler, Project Manager II  
(330)966-9477

[Denise.Heckler@et.eurofinsus.com](mailto:Denise.Heckler@et.eurofinsus.com)

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Detection Summary . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	12
QC Sample Results . . . . .	13
QC Association Summary . . . . .	15
Lab Chronicle . . . . .	16
Certification Summary . . . . .	17
Method Summary . . . . .	18
Sample Summary . . . . .	19
Chain of Custody . . . . .	20
Receipt Checklists . . . . .	21



# Definitions/Glossary

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

Job ID: 480-198507-1

## 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: 480-198507-1

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## Job ID: 480-198507-1

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### Laboratory: Eurofins Buffalo

#### Narrative

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#### Job Narrative 480-198507-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/1/2022 9:30 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 2.6° C.

#### GC/MS VOA

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-7-053122 (480-198507-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-18-053122 (480-198507-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The surrogate recovery for 4-Bromofluorobenzene (Surr) in the continuing calibration verification (CCV) was outside the 20%D recovery limits. The following samples are impacted: MW-1-053122 (480-198507-1) and MW-8-053122 (480-198507-2).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-629512 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: MW-1-053122 (480-198507-1) and MW-8-053122 (480-198507-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-629512 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1-053122 (480-198507-1) and MW-8-053122 (480-198507-2).

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: 480-198507-1

## Client Sample ID: MW-1-053122

## Lab Sample ID: 480-198507-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	47		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	87		1.0	0.90	ug/L	1		8260C	Total/NA

## Client Sample ID: MW-8-053122

## Lab Sample ID: 480-198507-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.9		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	12		1.0	0.90	ug/L	1		8260C	Total/NA

## Client Sample ID: MW-7-053122

## Lab Sample ID: 480-198507-3

No Detections.

## Client Sample ID: MW-10-053122

## Lab Sample ID: 480-198507-4

No Detections.

## Client Sample ID: MW-18-053122

## Lab Sample ID: 480-198507-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12000		130	100	ug/L	125		8260C	Total/NA
Vinyl chloride	11000		130	110	ug/L	125		8260C	Total/NA

## Client Sample ID: TB-053122

## Lab Sample ID: 480-198507-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: MW-1-053122**

**Lab Sample ID: 480-198507-1**

**Date Collected: 05/31/22 11:00**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

**Method: 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>47</b>		1.0	0.81	ug/L			06/10/22 06:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/10/22 06:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/10/22 06:55	1
Trichloroethene	ND		1.0	0.46	ug/L			06/10/22 06:55	1
<b>Vinyl chloride</b>	<b>87</b>		1.0	0.90	ug/L			06/10/22 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/10/22 06:55	1
4-Bromofluorobenzene (Surr)	120		73 - 120		06/10/22 06:55	1
Toluene-d8 (Surr)	92		80 - 120		06/10/22 06:55	1
Dibromofluoromethane (Surr)	103		75 - 123		06/10/22 06:55	1

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: MW-8-053122**

**Lab Sample ID: 480-198507-2**

**Date Collected: 05/31/22 11:10**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

**Method: 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>6.9</b>		1.0	0.81	ug/L			06/10/22 07:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/10/22 07:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/10/22 07:19	1
Trichloroethene	ND		1.0	0.46	ug/L			06/10/22 07:19	1
<b>Vinyl chloride</b>	<b>12</b>		1.0	0.90	ug/L			06/10/22 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		06/10/22 07:19	1
4-Bromofluorobenzene (Surr)	117		73 - 120		06/10/22 07:19	1
Toluene-d8 (Surr)	93		80 - 120		06/10/22 07:19	1
Dibromofluoromethane (Surr)	109		75 - 123		06/10/22 07:19	1

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: MW-7-053122**

**Lab Sample ID: 480-198507-3**

**Date Collected: 05/31/22 11:25**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

## Method: 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			06/08/22 14:47	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/08/22 14:47	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/08/22 14:47	4
Trichloroethene	ND		4.0	1.8	ug/L			06/08/22 14:47	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/08/22 14:47	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/08/22 14:47	4
4-Bromofluorobenzene (Surr)	101		73 - 120		06/08/22 14:47	4
Toluene-d8 (Surr)	103		80 - 120		06/08/22 14:47	4
Dibromofluoromethane (Surr)	103		75 - 123		06/08/22 14:47	4

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: MW-10-053122**

**Lab Sample ID: 480-198507-4**

**Date Collected: 05/31/22 11:35**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

**Method: 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			06/08/22 15:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/22 15:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/22 15:08	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/22 15:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/22 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/08/22 15:08	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/08/22 15:08	1
Toluene-d8 (Surr)	104		80 - 120		06/08/22 15:08	1
Dibromofluoromethane (Surr)	105		75 - 123		06/08/22 15:08	1

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: MW-18-053122**

**Lab Sample ID: 480-198507-5**

Date Collected: 05/31/22 11:45

Matrix: Water

Date Received: 06/01/22 09:30

**Method: 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>12000</b>		130	100	ug/L			06/08/22 15:30	125
Tetrachloroethene	ND		130	45	ug/L			06/08/22 15:30	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			06/08/22 15:30	125
Trichloroethene	ND		130	58	ug/L			06/08/22 15:30	125
<b>Vinyl chloride</b>	<b>11000</b>		130	110	ug/L			06/08/22 15:30	125

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/08/22 15:30	125
4-Bromofluorobenzene (Surr)	100		73 - 120		06/08/22 15:30	125
Toluene-d8 (Surr)	103		80 - 120		06/08/22 15:30	125
Dibromofluoromethane (Surr)	105		75 - 123		06/08/22 15:30	125

# Client Sample Results

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

Job ID: 480-198507-1

**Client Sample ID: TB-053122**

**Lab Sample ID: 480-198507-6**

**Date Collected: 05/31/22 12:00**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

**Method: 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			06/08/22 15:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/22 15:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/22 15:52	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/22 15:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/08/22 15:52	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/08/22 15:52	1
Toluene-d8 (Surr)	102		80 - 120		06/08/22 15:52	1
Dibromofluoromethane (Surr)	103		75 - 123		06/08/22 15:52	1



# Surrogate Summary

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

Job ID: 480-198507-1

**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)
480-198507-1	MW-1-053122	110	120	92	103
480-198507-2	MW-8-053122	116	117	93	109
480-198507-3	MW-7-053122	99	101	103	103
480-198507-4	MW-10-053122	101	101	104	105
480-198507-5	MW-18-053122	101	100	103	105
480-198507-6	TB-053122	101	101	102	103
LCS 480-629191/5	Lab Control Sample	95	98	110	96
LCS 480-629512/6	Lab Control Sample	105	119	99	102
MB 480-629191/7	Method Blank	99	101	103	103
MB 480-629512/8	Method Blank	109	120	95	107

### 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: 480-198507-1

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

**Lab Sample ID: MB 480-629191/7**  
**Matrix: Water**  
**Analysis Batch: 629191**

**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			06/08/22 12:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/22 12:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/22 12:30	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/22 12:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/22 12:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/08/22 12:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/08/22 12:30	1
Toluene-d8 (Surr)	103		80 - 120		06/08/22 12:30	1
Dibromofluoromethane (Surr)	103		75 - 123		06/08/22 12:30	1

**Lab Sample ID: LCS 480-629191/5**  
**Matrix: Water**  
**Analysis Batch: 629191**

**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	23.5		ug/L		94	74 - 124
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
Trichloroethene	25.0	22.2		ug/L		89	74 - 123
Vinyl chloride	25.0	18.6		ug/L		74	65 - 133

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

**Lab Sample ID: MB 480-629512/8**  
**Matrix: Water**  
**Analysis Batch: 629512**

**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			06/10/22 05:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/10/22 05:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/10/22 05:22	1
Trichloroethene	ND		1.0	0.46	ug/L			06/10/22 05:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/10/22 05:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		06/10/22 05:22	1
4-Bromofluorobenzene (Surr)	120		73 - 120		06/10/22 05:22	1
Toluene-d8 (Surr)	95		80 - 120		06/10/22 05:22	1
Dibromofluoromethane (Surr)	107		75 - 123		06/10/22 05:22	1

# QC Sample Results

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

Job ID: 480-198507-1

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

**Lab Sample ID: LCS 480-629512/6**  
**Matrix: Water**  
**Analysis Batch: 629512**

**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	21.2		ug/L		85	74 - 124
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
trans-1,2-Dichloroethene	25.0	21.0		ug/L		84	73 - 127
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Vinyl chloride	25.0	16.5		ug/L		66	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	119		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

# QC Association Summary

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

Job ID: 480-198507-1

## GC/MS VOA

### Analysis Batch: 629191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198507-3	MW-7-053122	Total/NA	Water	8260C	
480-198507-4	MW-10-053122	Total/NA	Water	8260C	
480-198507-5	MW-18-053122	Total/NA	Water	8260C	
480-198507-6	TB-053122	Total/NA	Water	8260C	
MB 480-629191/7	Method Blank	Total/NA	Water	8260C	
LCS 480-629191/5	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 629512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198507-1	MW-1-053122	Total/NA	Water	8260C	
480-198507-2	MW-8-053122	Total/NA	Water	8260C	
MB 480-629512/8	Method Blank	Total/NA	Water	8260C	
LCS 480-629512/6	Lab Control Sample	Total/NA	Water	8260C	

# Lab Chronicle

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

Job ID: 480-198507-1

**Client Sample ID: MW-1-053122**

**Lab Sample ID: 480-198507-1**

**Date Collected: 05/31/22 11:00**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	629512	06/10/22 06:55	ATG	TAL BUF

**Client Sample ID: MW-8-053122**

**Lab Sample ID: 480-198507-2**

**Date Collected: 05/31/22 11:10**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	629512	06/10/22 07:19	ATG	TAL BUF

**Client Sample ID: MW-7-053122**

**Lab Sample ID: 480-198507-3**

**Date Collected: 05/31/22 11:25**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	629191	06/08/22 14:47	CRL	TAL BUF

**Client Sample ID: MW-10-053122**

**Lab Sample ID: 480-198507-4**

**Date Collected: 05/31/22 11:35**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	629191	06/08/22 15:08	CRL	TAL BUF

**Client Sample ID: MW-18-053122**

**Lab Sample ID: 480-198507-5**

**Date Collected: 05/31/22 11:45**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		125	629191	06/08/22 15:30	CRL	TAL BUF

**Client Sample ID: TB-053122**

**Lab Sample ID: 480-198507-6**

**Date Collected: 05/31/22 12:00**

**Matrix: Water**

**Date Received: 06/01/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	629191	06/08/22 15:52	CRL	TAL BUF

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 480-198507-1

## Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Method Summary

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

Job ID: 480-198507-1

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

**Protocol References:**

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

**Laboratory References:**

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



# Sample Summary

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

Job ID: 480-198507-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198507-1	MW-1-053122	Water	05/31/22 11:00	06/01/22 09:30
480-198507-2	MW-8-053122	Water	05/31/22 11:10	06/01/22 09:30
480-198507-3	MW-7-053122	Water	05/31/22 11:25	06/01/22 09:30
480-198507-4	MW-10-053122	Water	05/31/22 11:35	06/01/22 09:30
480-198507-5	MW-18-053122	Water	05/31/22 11:45	06/01/22 09:30
480-198507-6	TB-053122	Water	05/31/22 12:00	06/01/22 09:30

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**Syracuse**  
Chain of Custody No(s):

COC No:  
480-174278-32532.1  
Page:  
Page 1 of 1  
Job #:

**#225**

Lab PM: Heckler, Denise D  
E-Mail: Denise.Heckler@et.eurofins.com

PWSID:

Due Date Requested:

TAT Requested (days):

STANDARD

Compliance Project:  Yes  No

PO #:

Purchase Order not required

WO #:

Project #:

48005763

SSOW#:

DIRECT BELL TO SYRACUSE LABEL,  
ATTN: PAUL ROUX

Sample Identification

MW-1 - 053122

MW-8 - 053122

MW-7 - 053122

MW-10 - 053122

MW-18 - 053122

TB - 053122

*ITEM*

Analysis Requested

Preservation Codes:

- A - HCL
- B - NaOH
- C - Na<sub>2</sub>CO<sub>3</sub>
- M - Hexane
- N - None
- O - AshNaO2
- P - Na2O4S
- Q - Na2SO3
- R - Na2SO3
- S - H2SO4
- T - TSP Dodecahydrate
- U - Acetone
- V - MCAA
- W - pH 4-5
- Y - Trizma
- Z - other (specify)



Other:

480-198507 Chain of Custody

Special Instructions/Note:	Total Number of Co
	3
	3
	3
	3
	3
	2

Possible Hazard Identification

Non-Hazard  Flammable  Skin Irritant

Deliverable Requested: I, II, III, IV, Other (specify) Level IV

Return To Client  Disposal By Lab  Archive For Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Special Instructions/QC Requirements: NYDEC EQ-25 EDP

Empty Kit Relinquished by:

Relinquished by: Ian Heckler

Relinquished by: R. Fighlik

Relinquished by:

Date:

5-1-22

5-31-22

5-31-22

Date/Time:

1300

1900

Received by:

Company: GMD

Company: GMD

Company: GMD

Company: GMD

Company: GMD

Custody Seals Intact:  Yes  No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

HI 2.6



## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-198507-1

**Login Number: 198507**

**List Number: 1**

**Creator: Sabuda, Brendan D**

**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	2.6 #1 ICE
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



# **Attachment 2**

**Groundwater Field Sampling Logs**



### Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 5/31/2022

Project #: 11222535

Sampler(s): IEM

Sample ID: MW-1

Sample Time: 11:00

#### Well Information:

Depth of Well (Top of PVC): 11.42 ft.  
Initial Static Water Level (Top of PVC): 2.11 ft.  
Depth to LNAPL/DNAPL (Top of PVC):  
LNAPL/DNAPL Thickness (inches):

#### Well Volume Calculation:

1 in. Casing: 9.31 ft. of water x .04 = 0.37 gallons  
2 in. Casing: ft. of water x .16 = gallons  
3 in. Casing: ft. of water x .36 = gallons  
4 in. Casing: ft. of water x .64 = gallons

#### Evacuation Method:

Submersible: Centrifugal:  
Airlift: Pos. Displ.:  
Bailer: X Ded. Pump:

#### Field Tests:

Temperature: 19.90 °C  
Salinity: %  
Spec. Cond.: 2.618 uS/cm  
Diss. Oxygen: 3.68 mg/L

#### Units:

pH: 7.21 units  
ORP: -74.5 mV  
Turbidity: 58.6 NTU

Volume of Water Removed: 0.5 gallons  
> 3 Volumes: yes no  
Dry: yes no

#### Sampling Method:

Stainless Bailer:  
Teflon Bailer:  
Pos. Disp. Pump:  
Dis. Bailer: X  
Ded. Pump:  
Other:

Analysis: Chlorinated VOCs - 8260

#### Observations:

Weather: 80° F, Sunny

Physical Appearance and Odor of Sample: Purge water turbid blackish-brown, no odor, no sheen  
Sample water slight brown tint, no sediment, no odor, no sheen

Additional Comments: Field parameters collected using a YSI ProDSS after sample collection  
Well was allowed to recover following purging and prior to sampling



### Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 5/31/2022

Project #: 11222535

Sampler(s): IEM

Sample ID: MW-7

Sample Time: 11:25

#### Well Information:

Depth of Well (Top of PVC): 16.71 ft.  
Initial Static Water Level (Top of PVC): 2.63 ft.  
Depth to LNAPL/DNAPL (Top of PVC):  
LNAPL/DNAPL Thickness (inches):

#### Well Volume Calculation:

1 in. Casing: ft. of water x .04 = gallons  
2 in. Casing: 14.08 ft. of water x .16 = 2.25 gallons  
3 in. Casing: ft. of water x .36 = gallons  
4 in. Casing: ft. of water x .64 = gallons

#### Evacuation Method:

Submersible: Centrifugal:  
Airlift: Pos. Displ.:  
Bailer: X Ded. Pump:

#### Field Tests:

Temperature: 19.5 °C  
Salinity: %  
Spec. Cond.: 2.328 uS/cm  
Diss. Oxygen: 2.5 mg/L

#### Units:

pH: 6.93 units  
ORP: -114.7 mV  
Turbidity: 26.87 NTU

Volume of Water Removed: 3 gallons  
> 3 Volumes: yes no  
Dry: yes no

#### Sampling Method:

Stainless Bailer:  
Teflon Bailer:  
Pos. Disp. Pump:  
Dis. Bailer: X  
Ded. Pump:  
Other:

Analysis: Chlorinated VOCs - 8260

#### Observations:

Weather: 80° F, Sunny

Physical Appearance and Odor of Sample: Purge water turbid black, some sediment, slight odor, no sheen  
Sample water clear, no odor, no sheen

Additional Comments: Field parameters collected using a YSI ProDSS after sample collection  
Well was allowed to recover following purging and prior to sampling



### Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 5/31/2022

Project #: 11222535

Sampler(s): IEM

Sample ID: MW-8

Sample Time: 11:10

#### Well Information:

Depth of Well (Top of PVC): 17.10 ft.  
Initial Static Water Level (Top of PVC): 2.13 ft.  
Depth to LNAPL/DNAPL (Top of PVC):  
LNAPL/DNAPL Thickness (inches):

#### Well Volume Calculation:

1 in. Casing: ft. of water x .04 = gallons  
2 in. Casing: 14.97 ft. of water x .16 = 2.40 gallons  
3 in. Casing: ft. of water x .36 = gallons  
4 in. Casing: ft. of water x .64 = gallons

#### Evacuation Method:

Submersible: Centrifugal:  
Airlift: Pos. Displ.:  
Bailer: X Ded. Pump:

#### Field Tests:

Temperature: 20.1 °C  
Salinity: %  
Spec. Cond.: 1.849 uS/cm  
Diss. Oxygen: 1.97 mg/L

#### Units:

pH: 7.31 units  
ORP: -132.0 mV  
Turbidity: 23.69 NTU

Volume of Water Removed: 6.5 gallons  
> 3 Volumes: yes no  
Dry: yes no

#### Sampling Method:

Stainless Bailer:  
Teflon Bailer:  
Pos. Disp. Pump:  
Dis. Bailer: X  
Ded. Pump:  
Other:

Analysis: Chlorinated VOCs - 8260

#### Observations:

Weather: 80° F, Sunny  
Physical Appearance and Odor of Sample: Purge water turbid brown, sediment, no odor, no sheen  
Sample water clear, no odor, no sheen

Additional Comments: Field parameters collected using a YSI ProDSS after sample collection  
Well was allowed to recover following purging and prior to sampling



### Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 5/31/2022

Project #: 11222535

Sampler(s): IEM

Sample ID: MW-10

Sample Time: 11:35

#### Well Information:

Depth of Well (Top of PVC): 14.33 ft.  
Initial Static Water Level (Top of PVC): 2.39 ft.  
Depth to LNAPL/DNAPL (Top of PVC):  
LNAPL/DNAPL Thickness (inches):

#### Well Volume Calculation:

1 in. Casing: ft. of water x .04 = gallons  
2 in. Casing: 11.94 ft. of water x .16 = 1.91 gallons  
3 in. Casing: ft. of water x .36 = gallons  
4 in. Casing: ft. of water x .64 = gallons

#### Evacuation Method:

Submersible: Centrifugal:  
Airlift: Pos. Displ.:  
Bailer: X Ded. Pump:

#### Field Tests:

Temperature: 19.90 °C  
Salinity: %  
Spec. Cond.: 1.326 uS/cm  
Diss. Oxygen: 1.93 mg/L

#### Units:

pH: 7.28 units  
ORP: -147.6 mV  
Turbidity: 28.82 NTU

Volume of Water Removed: 3.5 gallons  
> 3 Volumes: yes no  
Dry: yes no

#### Sampling Method:

Stainless Bailer:  
Teflon Bailer:  
Pos. Disp. Pump:  
Dis. Bailer: X  
Ded. Pump:  
Other:

Analysis: Chlorinated VOCs - 8260

#### Observations:

Weather: 80° F, Sunny

Physical Appearance and Odor of Sample: Purge water turbid brown, some sediment, no odor, no sheen  
Sample water clear, no odor, no sheen

Additional Comments: Field parameters collected using a YSI ProDSS after sample collection  
Well was allowed to recover following purging and prior to sampling



### Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 5/31/2022

Project #: 11222535

Sampler(s): IEM

Sample ID: MW-18

Sample Time: 11:45

#### Well Information:

Depth of Well (Top of PVC): 12.84 ft.  
Initial Static Water Level (Top of PVC): 2.31 ft.  
Depth to LNAPL/DNAPL (Top of PVC):  
LNAPL/DNAPL Thickness (inches):

#### Well Volume Calculation:

1 in. Casing: ft. of water x .04 = gallons  
2 in. Casing: 10.53 ft. of water x .16 = 1.68 gallons  
3 in. Casing: ft. of water x .36 = gallons  
4 in. Casing: ft. of water x .64 = gallons

#### Evacuation Method:

Submersible: Centrifugal:  
Airlift: Pos. Displ.:  
Bailer: X Ded. Pump:

#### Field Tests:

Temperature: 18.8 °C  
Salinity: %  
Spec. Cond.: 1.707 uS/cm  
Diss. Oxygen: 2.01 mg/L

#### Units:

pH: 7.30 units  
ORP: -145 mV  
Turbidity: 20.13 NTU

Volume of Water Removed: 2.5 gallons  
> 3 Volumes: yes no  
Dry: yes no

#### Sampling Method:

Stainless Bailer:  
Teflon Bailer:  
Pos. Disp. Pump:  
Dis. Bailer: X  
Ded. Pump:  
Other:

Analysis: Chlorinated VOCs - 8260

#### Observations:

Weather: 80° F, Sunny  
Physical Appearance and Odor of Sample: Purge water black with black floaters, no odor, no sheen  
Sample water clear, no odor, no floaters or sediment, no sheen

Additional Comments: Field parameters collected using a YSI ProDSS after sample collection  
Well was allowed to recover following purging and prior to sampling