



December 17, 2020

Reference No. 8614941.202

Sent via E-mail

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

Dear Mr. Mannes:

**Re: 110 Luther Avenue BCP Site (Site #C734118)
Fall 2020 Groundwater Monitoring Results**

GHD Consulting Services Inc. (GHD) has completed the fall 2020 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 fall 2020 groundwater monitoring data was submitted to the EQUIS database and is awaiting upload.

We will contact you prior to the next round of groundwater monitoring, which is scheduled for May 2021, in accordance with the currently approved SMP.

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

Sincerely,

GHD Consulting Services Inc.

A handwritten signature in blue ink, appearing to read 'Ian E. McNamara', is written over a light blue horizontal line.

Ian E. McNamara
Geologist – Environment

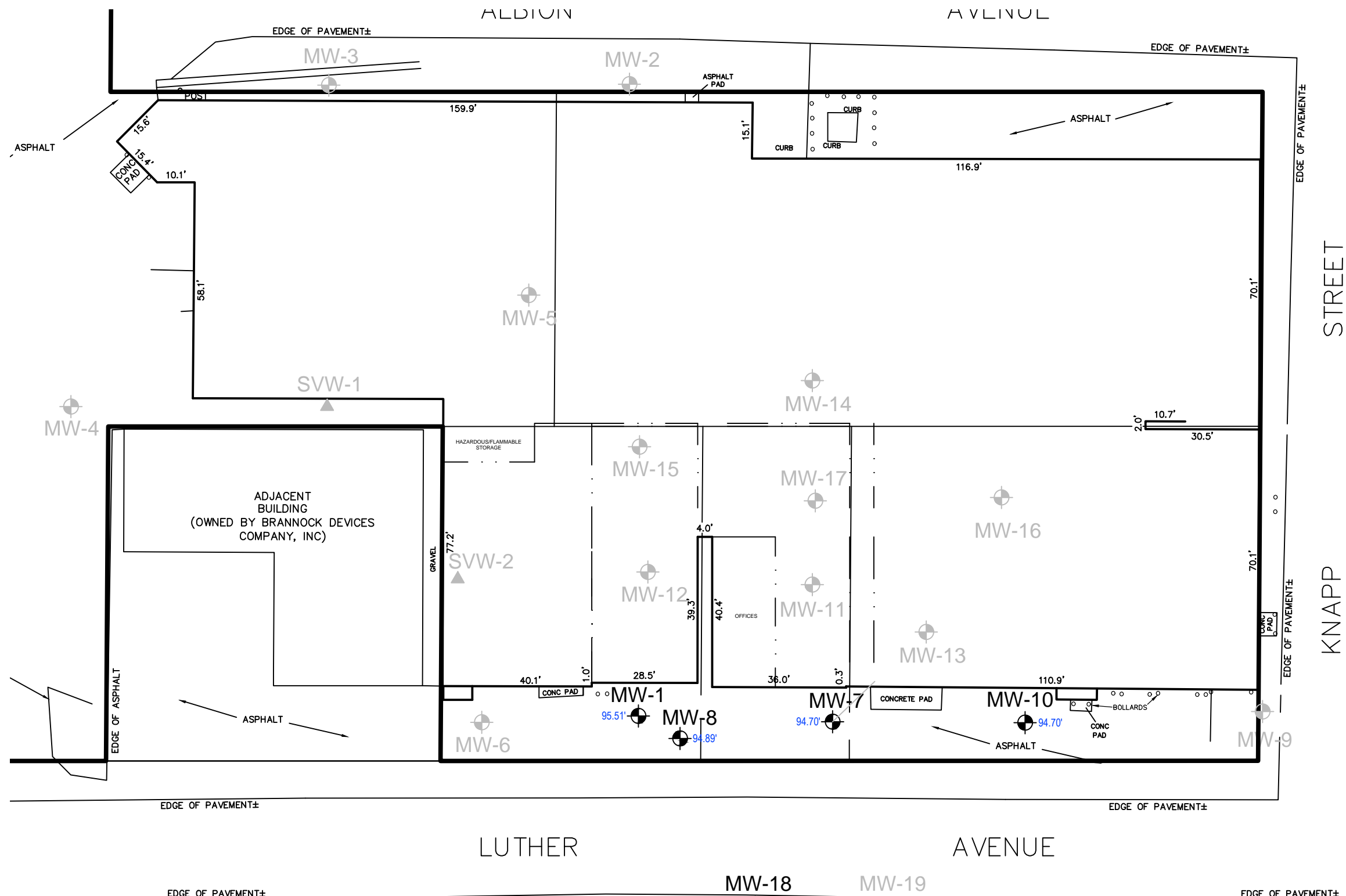
IEM

Enclosures: As identified above.

cc: Mark Sergott, New York State Department of Health (w/encl.)
Scarlett McLaughlin, New York State Department of Health (e/encl.)
Paul Roux, Syracuse Label and Surround Printing (w/encl.)

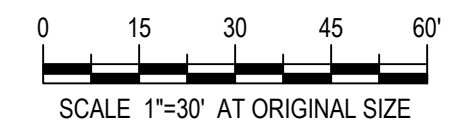


Figures



- 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 AND SEPTEMBER 2020 (SURVEYED)
 - BCP SITE BOUNDARY (APPROXIMATE)
 - INTERIOR WALLS (APPROXIMATE)
 - 95.00' GROUNDWATER ELEVATION (NOVEMBER 2020)

- 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)
 Fall 2020 Groundwater Monitoring
SITE LAYOUT AND GROUNDWATER ELEVATIONS

Project No. 86-14941
 Report No. -
 Date 12.10.2020

FIGURE 1

Filename: G:\86\14941\Groundwater Monitoring\2020 - 4th Qtr\Figures\Site Layout and Features.dwg
 Plot Date: 10 December 2020 - 11:15 AM



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 | | | |
| 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 | | | |



**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 | | | |
| MW-10 | 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 |

DTW - Depth to water
DOW - Depth of well
NM - Not measured



**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-18 | 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 | | | |



**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 | S.U. | 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 | |



Table 2
Summary of Sample Field Parameters

| Well ID | Date Sampled | Field | | | | | |
|------------|--------------|------------------|-------------------------|--------|--------|-------|-----------|
| | | Dissolved Oxygen | Electrical Conductivity | pH | Redox | Temp | Turbidity |
| | | mg/L | mS/cm | S.U. | mV | oC | NTU |
| 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 | |



**Table 2
Summary of Sample Field Parameters**

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

| Well ID | Date Sampled | Field | | | | | |
|------------|--------------|------------------|-------------------------|--------|--------|-------|-----------|
| | | Dissolved Oxygen | Electrical Conductivity | pH | Redox | Temp | Turbidity |
| | | mg/L | mS/cm | S.U. | mV | oC | NTU |
| 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 | |



**Table 2
Summary of Sample Field Parameters**

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

| Well ID | Date Sampled | Field | | | | | |
|------------|--------------|------------------|-------------------------|--------|--------|-------|-----------|
| | | Dissolved Oxygen | Electrical Conductivity | pH | Redox | Temp | Turbidity |
| | | mg/L | mS/cm | S.U. | mV | oC | NTU |
| 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 | |
| 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 | |



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

| | | VOCs by Method 8260 | | | | |
|---------------------|--------------|---------------------|-----------------|------------------------|--------------------------|----------------|
| | | 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 | |

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 3. J - Indicates an estimated value
 4. (-) - Not analyzed for
 5. Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and 2nd post-pilot test sampling event, respectively
 6. Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
 7. Bold and highlighted result indicates an exceedance of applicable Regulatory Standard



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

| | | VOCs by Method 8260 | | | | |
|---------------------|--------------|---------------------|-----------------|------------------------|--------------------------|----------------|
| | | 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 | |

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 5. Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and 2nd post-pilot test sampling event, respectively
 6. Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
 7. Bold and highlighted result indicates an exceedance of applicable Regulatory Standard



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

| | | VOCs by Method 8260 | | | | |
|---------------------|--------------|---------------------|-----------------|------------------------|--------------------------|----------------|
| | | 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-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 | |

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 7. Bold and highlighted result indicates an exceedance of applicable Regulatory Standard



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

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

| | | VOCs by Method 8260 | | | | |
|---------------------|--------------|---------------------|-----------------|------------------------|--------------------------|----------------|
| | | 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 | 93 | <0.76U | 13 |
| | 3/30/2012 | <1U | <1U | 56 | <1U | 13 |
| | 12/20/2012 | <1U | <1U | 90 | <1U | 13 |
| | 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 | 0.98J |
| | 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 | 1.8 | <0.9U | <0.9U |
| | 5/29/2020 | <0.36U | <0.46U | 3.6 | <0.9U | 2.7 |
| | 11/19/2020 | <0.36U | <0.46U | 2.8 | <0.9U | 4.6 |

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 4. (-) - Not analyzed for
 5. Feb-11, Mar-11, and Apr-11 data represents pilot test baseline, 1st post-pilot test sampling event, and 2nd post-pilot test sampling event, respectively
 6. Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
 7. Bold and highlighted result indicates an exceedance of applicable Regulatory Standard



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

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

| | | VOCs by Method 8260 | | | | |
|---------------------|--------------|---------------------|-----------------|------------------------|--------------------------|----------------|
| | | 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-18 | 10/2/2010 | <0.81U | <0.62U | <0.99U | <0.76U | 2.7J |
| | 9/11/2011 | <0.81U | <0.62U | 13 | <0.76U | 17 |
| | 3/30/2012 | <1U | <1U | 29 | <1U | 9.2 |
| | 12/20/2012 | <1U | <1U | 5.5 | <1U | <1U |
| | 6/19/2014 | <1U | <1U | 230 | <1U | 30 |
| | 12/29/2014 | <1.8U | <2.3U | 75 | <4.5U | 9 |
| | 6/25/2015 | <5U | <5U | 350 | <5U | 31 |
| | 12/30/2015 | <5U | <5U | 160 | <5U | 15 |
| | 7/7/2016 | <1.8U | <2.3U | 460 | <4.5U | 58 |
| | 9/22/2016 | <1.8U | <2.3U | 65 | <4.5U | <4.5U |
| | 5/31/2017 | <1.8U | <2.3U | 610 | <4.5U | 86 |
| | 11/29/2017 | <1.8U | <2.3U | 470 | <4.5U | 92 |
| | 5/31/2018 | <1.8U | <2.3U | 670 | <4.5U | 96 |
| | 12/18/2018 | <1.8U | <2.3U | 940 | <4.5U | 140 |
| | 3/8/2019 | <0.72U | <0.92U | 970 | <1.8U | 130U |
| 11/25/2019 | <7.2U | <9.2U | 1,700 | <18U | 280 | |
| 5/29/2020 | <1.8U | <2.3U | 1,700 | <4.5U | 270 | |
| 11/19/2020 | <3.6U | <4.6U | 440 | <9U | 120 | |

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 6. Jun-11, Aug-11, and Sep-11 data represents full scale ISCR injection baseline, 1st post-ISCR sampling event, and 2nd post-ISCR sampling event, respectively
 7. Bold and highlighted result indicates an exceedance of applicable Regulatory Standard



Attachments



Attachment A
Laboratory Analytical Report for Groundwater Samples

ANALYTICAL REPORT

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

Laboratory Job ID: 480-178449-1
Client Project/Site: 110 Luther Avenue

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

Attn: Linda Waters



Authorized for release by:
12/4/2020 8:44:48 AM

Denise Heckler, Project Manager II
(330)966-9477
Denise.Heckler@Eurofinset.com

LINKS

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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: 110 Luther Avenue

Job ID: 480-178449-1

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: 110 Luther Avenue

Job ID: 480-178449-1

Job ID: 480-178449-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-178449-1

Comments

No additional comments.

Receipt

The samples were received on 11/20/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-1 (480-178449-1), MW-18 (480-178449-4), (480-178449-A-1 MS) and (480-178449-A-1 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-7 (480-178449-3). 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: 110 Luther Avenue

Job ID: 480-178449-1

Client Sample ID: MW-1

Lab Sample ID: 480-178449-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 140 | | 10 | 8.1 | ug/L | 10 | | 8260C | Total/NA |
| Vinyl chloride | 210 | | 10 | 9.0 | ug/L | 10 | | 8260C | Total/NA |

Client Sample ID: MW-8

Lab Sample ID: 480-178449-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 9.6 | | 1.0 | 0.81 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 22 | | 1.0 | 0.90 | ug/L | 1 | | 8260C | Total/NA |

Client Sample ID: MW-7

Lab Sample ID: 480-178449-3

No Detections.

Client Sample ID: MW-18

Lab Sample ID: 480-178449-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 440 | | 10 | 8.1 | ug/L | 10 | | 8260C | Total/NA |
| Vinyl chloride | 120 | | 10 | 9.0 | ug/L | 10 | | 8260C | Total/NA |

Client Sample ID: MW-10

Lab Sample ID: 480-178449-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2.8 | | 1.0 | 0.81 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 4.6 | | 1.0 | 0.90 | ug/L | 1 | | 8260C | Total/NA |

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-178449-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: MW-1

Lab Sample ID: 480-178449-1

Date Collected: 11/19/20 13:40

Matrix: Water

Date Received: 11/20/20 08:00

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|----|-----|------|---|----------|----------------|---------|
| cis-1,2-Dichloroethene | 140 | | 10 | 8.1 | ug/L | | | 11/22/20 11:50 | 10 |
| Tetrachloroethene | ND | | 10 | 3.6 | ug/L | | | 11/22/20 11:50 | 10 |
| trans-1,2-Dichloroethene | ND | | 10 | 9.0 | ug/L | | | 11/22/20 11:50 | 10 |
| Trichloroethene | ND | | 10 | 4.6 | ug/L | | | 11/22/20 11:50 | 10 |
| Vinyl chloride | 210 | | 10 | 9.0 | ug/L | | | 11/22/20 11:50 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 77 - 120 | | 11/22/20 11:50 | 10 |
| 4-Bromofluorobenzene (Surr) | 104 | | 73 - 120 | | 11/22/20 11:50 | 10 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 | | 11/22/20 11:50 | 10 |
| Dibromofluoromethane (Surr) | 109 | | 75 - 123 | | 11/22/20 11:50 | 10 |

Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: MW-8
Date Collected: 11/19/20 14:00
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-2
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| cis-1,2-Dichloroethene | 9.6 | | 1.0 | 0.81 | ug/L | | | 11/23/20 12:54 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/23/20 12:54 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/23/20 12:54 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/23/20 12:54 | 1 |
| Vinyl chloride | 22 | | 1.0 | 0.90 | ug/L | | | 11/23/20 12:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 77 - 120 | | 11/23/20 12:54 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | | 73 - 120 | | 11/23/20 12:54 | 1 |
| Toluene-d8 (Surr) | 105 | | 80 - 120 | | 11/23/20 12:54 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 75 - 123 | | 11/23/20 12:54 | 1 |

Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: MW-7
Date Collected: 11/19/20 14:30
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-3
Matrix: Water

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 | | | 11/22/20 12:38 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 11/22/20 12:38 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 11/22/20 12:38 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 11/22/20 12:38 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 11/22/20 12:38 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109 | | 77 - 120 | | 11/22/20 12:38 | 4 |
| 4-Bromofluorobenzene (Surr) | 105 | | 73 - 120 | | 11/22/20 12:38 | 4 |
| Toluene-d8 (Surr) | 105 | | 80 - 120 | | 11/22/20 12:38 | 4 |
| Dibromofluoromethane (Surr) | 106 | | 75 - 123 | | 11/22/20 12:38 | 4 |

Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: MW-18
Date Collected: 11/19/20 14:50
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-4
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|----|-----|------|---|----------|----------------|---------|
| cis-1,2-Dichloroethene | 440 | | 10 | 8.1 | ug/L | | | 11/22/20 13:03 | 10 |
| Tetrachloroethene | ND | | 10 | 3.6 | ug/L | | | 11/22/20 13:03 | 10 |
| trans-1,2-Dichloroethene | ND | | 10 | 9.0 | ug/L | | | 11/22/20 13:03 | 10 |
| Trichloroethene | ND | | 10 | 4.6 | ug/L | | | 11/22/20 13:03 | 10 |
| Vinyl chloride | 120 | | 10 | 9.0 | ug/L | | | 11/22/20 13:03 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 77 - 120 | | 11/22/20 13:03 | 10 |
| 4-Bromofluorobenzene (Surr) | 101 | | 73 - 120 | | 11/22/20 13:03 | 10 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 | | 11/22/20 13:03 | 10 |
| Dibromofluoromethane (Surr) | 109 | | 75 - 123 | | 11/22/20 13:03 | 10 |

Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: MW-10
Date Collected: 11/19/20 15:10
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-5
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| cis-1,2-Dichloroethene | 2.8 | | 1.0 | 0.81 | ug/L | | | 11/23/20 13:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/23/20 13:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/23/20 13:18 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/23/20 13:18 | 1 |
| Vinyl chloride | 4.6 | | 1.0 | 0.90 | ug/L | | | 11/23/20 13:18 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 77 - 120 | | 11/23/20 13:18 | 1 |
| 4-Bromofluorobenzene (Surr) | 104 | | 73 - 120 | | 11/23/20 13:18 | 1 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | | 11/23/20 13:18 | 1 |
| Dibromofluoromethane (Surr) | 104 | | 75 - 123 | | 11/23/20 13:18 | 1 |



Client Sample Results

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

Job ID: 480-178449-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-178449-6

Date Collected: 11/19/20 00:00

Matrix: Water

Date Received: 11/20/20 08:00

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 | | | 11/22/20 13:51 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/22/20 13:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/22/20 13:51 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/22/20 13:51 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/22/20 13:51 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109 | | 77 - 120 | | 11/22/20 13:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 73 - 120 | | 11/22/20 13:51 | 1 |
| Toluene-d8 (Surr) | 106 | | 80 - 120 | | 11/22/20 13:51 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 75 - 123 | | 11/22/20 13:51 | 1 |

Surrogate Summary

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

Job ID: 480-178449-1

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) |
| 480-178449-1 | MW-1 | 108 | 104 | 102 | 109 |
| 480-178449-1 MS | MW-1 | 116 | 107 | 106 | 112 |
| 480-178449-1 MSD | MW-1 | 112 | 104 | 104 | 110 |
| 480-178449-2 | MW-8 | 102 | 103 | 105 | 99 |
| 480-178449-3 | MW-7 | 109 | 105 | 105 | 106 |
| 480-178449-4 | MW-18 | 110 | 101 | 104 | 109 |
| 480-178449-5 | MW-10 | 107 | 104 | 103 | 104 |
| 480-178449-6 | TRIP BLANK | 109 | 109 | 106 | 107 |
| LCS 480-560388/4 | Lab Control Sample | 104 | 100 | 102 | 106 |
| LCS 480-560434/4 | Lab Control Sample | 100 | 106 | 105 | 102 |
| MB 480-560388/6 | Method Blank | 106 | 104 | 101 | 103 |
| MB 480-560434/8 | Method Blank | 99 | 98 | 101 | 98 |

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: 110 Luther Avenue

Job ID: 480-178449-1

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

Lab Sample ID: MB 480-560388/6
Matrix: Water
Analysis Batch: 560388

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 | | | 11/22/20 11:10 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/22/20 11:10 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/22/20 11:10 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/22/20 11:10 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/22/20 11:10 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 77 - 120 | | 11/22/20 11:10 | 1 |
| 4-Bromofluorobenzene (Surr) | 104 | | 73 - 120 | | 11/22/20 11:10 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | 11/22/20 11:10 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 75 - 123 | | 11/22/20 11:10 | 1 |

Lab Sample ID: LCS 480-560388/4
Matrix: Water
Analysis Batch: 560388

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 | 21.3 | | ug/L | | 85 | 74 - 124 |
| Tetrachloroethene | 25.0 | 21.3 | | ug/L | | 85 | 74 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 21.3 | | ug/L | | 85 | 73 - 127 |
| Trichloroethene | 25.0 | 21.5 | | ug/L | | 86 | 74 - 123 |
| Vinyl chloride | 25.0 | 19.7 | | ug/L | | 79 | 65 - 133 |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 100 | | 73 - 120 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 106 | | 75 - 123 |

Lab Sample ID: 480-178449-1 MS
Matrix: Water
Analysis Batch: 560388

Client Sample ID: MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | MS | Unit | D | %Rec | %Rec. Limits |
|--------------------------|---------------|------------------|-------------|--------|-----------|------|---|------|--------------|
| | | | | Result | Qualifier | | | | |
| cis-1,2-Dichloroethene | 140 | | 250 | 369 | | ug/L | | 91 | 74 - 124 |
| Tetrachloroethene | ND | | 250 | 240 | | ug/L | | 96 | 74 - 122 |
| trans-1,2-Dichloroethene | ND | | 250 | 250 | | ug/L | | 100 | 73 - 127 |
| Trichloroethene | ND | | 250 | 257 | | ug/L | | 103 | 74 - 123 |
| Vinyl chloride | 210 | | 250 | 451 | | ug/L | | 95 | 65 - 133 |

| Surrogate | MS | MS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 116 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 107 | | 73 - 120 |
| Toluene-d8 (Surr) | 106 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 112 | | 75 - 123 |

QC Sample Results

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

Job ID: 480-178449-1

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

Lab Sample ID: 480-178449-1 MSD
Matrix: Water
Analysis Batch: 560388

Client Sample ID: MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| cis-1,2-Dichloroethene | 140 | | 250 | 353 | | ug/L | | 85 | 74 - 124 | 4 | 15 |
| Tetrachloroethene | ND | | 250 | 232 | | ug/L | | 93 | 74 - 122 | 4 | 20 |
| trans-1,2-Dichloroethene | ND | | 250 | 229 | | ug/L | | 91 | 73 - 127 | 9 | 20 |
| Trichloroethene | ND | | 250 | 244 | | ug/L | | 98 | 74 - 123 | 5 | 16 |
| Vinyl chloride | 210 | | 250 | 430 | | ug/L | | 87 | 65 - 133 | 5 | 15 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 104 | | 73 - 120 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 110 | | 75 - 123 |

Lab Sample ID: MB 480-560434/8
Matrix: Water
Analysis Batch: 560434

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 | | | 11/23/20 11:51 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/23/20 11:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/23/20 11:51 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/23/20 11:51 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/23/20 11:51 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 77 - 120 | | 11/23/20 11:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 73 - 120 | | 11/23/20 11:51 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | 11/23/20 11:51 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 75 - 123 | | 11/23/20 11:51 | 1 |

Lab Sample ID: LCS 480-560434/4
Matrix: Water
Analysis Batch: 560434

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 | 22.8 | | ug/L | | 91 | 74 - 124 |
| Tetrachloroethene | 25.0 | 23.9 | | ug/L | | 96 | 74 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 22.9 | | ug/L | | 92 | 73 - 127 |
| Trichloroethene | 25.0 | 23.5 | | ug/L | | 94 | 74 - 123 |
| Vinyl chloride | 25.0 | 22.8 | | ug/L | | 91 | 65 - 133 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 106 | | 73 - 120 |
| Toluene-d8 (Surr) | 105 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 102 | | 75 - 123 |

QC Association Summary

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

Job ID: 480-178449-1

GC/MS VOA

Analysis Batch: 560388

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-178449-1 | MW-1 | Total/NA | Water | 8260C | |
| 480-178449-3 | MW-7 | Total/NA | Water | 8260C | |
| 480-178449-4 | MW-18 | Total/NA | Water | 8260C | |
| 480-178449-6 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 480-560388/6 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-560388/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| 480-178449-1 MS | MW-1 | Total/NA | Water | 8260C | |
| 480-178449-1 MSD | MW-1 | Total/NA | Water | 8260C | |

Analysis Batch: 560434

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-178449-2 | MW-8 | Total/NA | Water | 8260C | |
| 480-178449-5 | MW-10 | Total/NA | Water | 8260C | |
| MB 480-560434/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-560434/4 | Lab Control Sample | Total/NA | Water | 8260C | |

Lab Chronicle

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

Job ID: 480-178449-1

Client Sample ID: MW-1
Date Collected: 11/19/20 13:40
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 10 | 560388 | 11/22/20 11:50 | AMM | TAL BUF |

Client Sample ID: MW-8
Date Collected: 11/19/20 14:00
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 560434 | 11/23/20 12:54 | AMM | TAL BUF |

Client Sample ID: MW-7
Date Collected: 11/19/20 14:30
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 4 | 560388 | 11/22/20 12:38 | AMM | TAL BUF |

Client Sample ID: MW-18
Date Collected: 11/19/20 14:50
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 10 | 560388 | 11/22/20 13:03 | AMM | TAL BUF |

Client Sample ID: MW-10
Date Collected: 11/19/20 15:10
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 560434 | 11/23/20 13:18 | AMM | TAL BUF |

Client Sample ID: TRIP BLANK
Date Collected: 11/19/20 00:00
Date Received: 11/20/20 08:00

Lab Sample ID: 480-178449-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 560388 | 11/22/20 13:51 | AMM | TAL BUF |

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-178449-1

Laboratory: Eurofins TestAmerica, Buffalo

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| New York | NELAP | 10026 | 04-01-21 |

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

Method Summary

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

Job ID: 480-178449-1

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



Sample Summary

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

Job ID: 480-178449-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-178449-1 | MW-1 | Water | 11/19/20 13:40 | 11/20/20 08:00 | |
| 480-178449-2 | MW-8 | Water | 11/19/20 14:00 | 11/20/20 08:00 | |
| 480-178449-3 | MW-7 | Water | 11/19/20 14:30 | 11/20/20 08:00 | |
| 480-178449-4 | MW-18 | Water | 11/19/20 14:50 | 11/20/20 08:00 | |
| 480-178449-5 | MW-10 | Water | 11/19/20 15:10 | 11/20/20 08:00 | |
| 480-178449-6 | TRIP BLANK | Water | 11/19/20 00:00 | 11/20/20 08:00 | |

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|----------------------------------------|--|------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Client Information | | Lab PM: Heckler, Denise D | | Camera Tracking No(s): | |
| Client Contact: Linda Waters | | E-Mail: Denise Heckler@Eurofinsnet.com | | COC No: 480-153272-32532.1 | |
| Company: GHD Services Inc. | | Address: 5788 W. ZEPHYRUS PKWY One Remington Park Drive | | Page: Page 1 of 1 | |
| City: Cheektowatch SYRACUSE | | State, Zip: NY, 14203 | | Job #: | |
| Phone: 716-422-1037 (Ext) 315-802-0260 | | PO #: Purchase Order not required | | Analysis Requested: #225 | |
| Email: linda.waters@ghd.com | | WO #: 110 Luther Avenue | | Barcode: 480-178449 Chain of Custody | |
| Project Name: 110 Luther Avenue | | Project #: 48005763 | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate Acid 14 : Acid 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 Z - other (specify) | |
| Site: | | SSOW#: | | Other: | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=soil, BT=tissue, A=air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 826C - PCE, TCE, cis-DCE, trans-DCE, & VC only | Total Number of C | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|-----------------------------------------------------|-----------------------------------|----------------------------|------------------------------------------------|-------------------|----------------------------|
| MW-1 | 11-19-20 | 1340 | G | Water | XX | XX | X | 3 | |
| MW-8 | 11-19-20 | 1400 | G | Water | XX | XX | X | 3 | |
| MW-7 | 11-19-20 | 1430 | G | Water | XX | XX | X | 3 | |
| MW-18 | 11-19-20 | 1450 | G | Water | XX | XX | X | 3 | |
| MW-10 | 11-19-20 | 1510 | G | Water | XX | XX | X | 3 | |
| TRIP BLANK | 11-19-20 | 0000 | G | Water | XX | XX | X | 2 | |

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

Deliverable Requested: I, II, III, IV, Other (specify) CAT B.

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date/Time: 11-19-20 16:10 Company: GHD

Relinquished by: _____ Date/Time: 11-19-20 19:00 Company: GHD

Relinquished by: _____ Date/Time: 11-20-20 08:00 Company: JA

Custody Seals Intact: Yes No Δ No Δ No
 Cooler Temperature(s) °C and Other Remarks: 2.5 #

Special Instructions/QC Requirements: NYDEC EQ-RS EDD

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

Method of Shipment: _____



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-178449-1

Login Number: 178449

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

| 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 | 2.5 #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 | GHD |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | True | |
| Chlorine Residual checked. | N/A | |





Attachment B
Groundwater Field Sampling Logs



Groundwater Field Sampling Log

Site Name: 110 Luther Avenue

Date: 11/19/2020

Project #: 86-14941

Sampler(s): IEM

Sample ID: MW-1

Sample Time: 13:40

Well Information:

Depth of Well (Top of PVC): 11.38 ft.
Initial Static Water Level (Top of PVC): 2.24 ft.
Depth to LNAPL/DNAPL (Top of PVC): _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. Casing: 9.14 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: 14.90 °C pH: 7.08 units
Salinity: _____ % ORP: -87.0 mV
Spec. Cond.: 2.306 uS/cm Turbidity: 37.2 NTU
Diss. Oxygen: 4.40 mg/L

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: 50° F, Mostly Sunny, Windy
Physical Appearance and Odor of Sample: Water clear, slight odor, no sheen, no sediment

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: 11/19/2020

Project #: 86-14941

Sampler(s): IEM

Sample ID: MW-7

Sample Time: 14:30

Well Information:

Depth of Well (Top of PVC): 16.65 ft.
Initial Static Water Level (Top of PVC): 2.58 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: 14.07 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: 16.4 °C
Salinity: _____ %
Spec. Cond.: 2.681 uS/cm
Diss. Oxygen: 2.57 mg/L

Units:

pH: 6.77 units
ORP: -105.2 mV
Turbidity: 28.24 NTU

Volume of Water Removed: 3 gallons
> 3 Volumes:

| | |
|-------------------------------------|--------------------------|
| yes | no |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Dry:

| | |
|-------------------------------------|--------------------------|
| yes | no |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sampling Method:

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

Analysis:

Chlorinated VOCs - 8260

Observations:

Weather: 50° F, Mostly Sunny, Windy
Physical Appearance and Odor of Sample: Water clear, slight odor, no sheen, no sediment

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: 11/19/2020

Project #: 86-14941

Sampler(s): IEM

Sample ID: MW-8

Sample Time: 14:00

Well Information:

Depth of Well (Top of PVC): 17.05 ft.
Initial Static Water Level (Top of PVC): 2.49 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: 14.56 ft. of water x .16 = 2.33 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: 15.6 °C
Salinity: _____ %
Spec. Cond.: 2.575 uS/cm
Diss. Oxygen: 2.98 mg/L

Units:

pH: 6.93 units
ORP: -103.1 mV
Turbidity: 5.46 NTU

Volume of Water Removed: 5.5 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: 50° F, Mostly Sunny, Windy
Physical Appearance and Odor of Sample: Water clear, slight odor, no sheen, no sediment

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: 11/19/2020

Project #: 86-14941

Sampler(s): IEM

Sample ID: MW-10

Sample Time: 15:10

Well Information:

Depth of Well (Top of PVC): 14.20 ft.
Initial Static Water Level (Top of PVC): 2.64 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: 11.56 ft. of water x .16 = 1.85 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: 15.90 °C pH: 7.13 units
Salinity: _____ % ORP: -127.2 mV
Spec. Cond.: 1.580 uS/cm Turbidity: 23.1 NTU
Diss. Oxygen: 3.17 mg/L

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: 50° F, Mostly Sunny, Windy
Physical Appearance and Odor of Sample: Water clear, no odor, no sheen, no sediment

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: 11/19/2020

Project #: 86-14941

Sampler(s): IEM

Sample ID: MW-18

Sample Time: 14:50

Well Information:

Depth of Well (Top of PVC): 12.78 ft.
Initial Static Water Level (Top of PVC): 2.53 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: 10.25 ft. of water x .16 = 1.64 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: 15 °C
Salinity: _____ %
Spec. Cond.: 1.371 uS/cm
Diss. Oxygen: 3.1 mg/L

Units:

pH: 7.71 units
ORP: -84.7 mV
Turbidity: 91.55 NTU

Volume of Water Removed: 3.25 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: 50° F, Mostly Sunny, Windy
Physical Appearance and Odor of Sample: Water slightly turbid brown, no odor, no sheen, no sediment

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