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HEMPHILL ROAD INDUSTRIAL LAND

2022 ANNUAL GROUNDWATER SAMPLING REPORT

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HEMPHILL ROAD INDUSTRIAL LAND
2022 ANNUAL GROUNDWATER SAMPLING REPORT

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1. INTRODUCTION

This report serves as a summary for the annual 2022 groundwater sampling event conducted in April 2022 at the Revitalizing Auto Communities Environmental Response (RACER) Trust Hemphill Road Industrial Land (HRIL) facility located in Burton, Michigan (Site). Annual groundwater sampling was conducted to document groundwater quality for the Site and allow for evaluation of possible concentration trends.

The results from this event support the conclusions and recommendations in the draft No Further Action (NFA) Report, which was submitted to EGLE on November 28, 2019.

2. GROUNDWATER SAMPLING

The annual 2022 groundwater sampling was performed utilizing the following sampling protocols. During this event samples were also collected for Per- and polyfluoroalkyl substances (PFAS) analysis. Details of the PFAS sampling will be provided in a separate report.

Prior to sampling, water level measurements were collected from monitoring wells at the Site and the offsite wells. Monitoring well locations are shown on **Figure 1**. Monitoring well construction details are listed on **Table 1** and groundwater elevation data is included on **Table 2**. The groundwater elevations observed during the sampling events are within the historical range of static groundwater measurements for the Site.

The shallow and deep groundwater elevations are depicted on **Figure 2** (Shallow) and **Figure 3** (Deep), respectively. Groundwater in the shallow zone appears to flow is predominantly toward the east near OBG MW-7S and more southeast in the southern portion of the Site as shown on **Figure 2**. Groundwater in the drift (deep) unit appears to flow in a northerly direction as shown on **Figure 3**.

Groundwater samples for the annual 2022 sampling event were collected between April 27, 2022 and April 29, 2022. Samples were collected from nine on-site monitoring wells and five off-site monitoring wells. The nine on-site monitoring wells are: OBG MW-1S, OBG MW-2S, OBG MW-2D, OBG MW-3S, OBG MW-5S (screened in fill material), OBG MW-6S, OBG MW-6D, OBG MW-7S (screened [sand pack] in fill material), and OBG MW-7D. The five off-site monitoring wells are: OBG OS-MW-1, OBG OS-MW-2, OBG OS-MW-3, OBG OS-MW-4, and OBG OS-MW-5 (all of which are screened in fill material).

The following wells were not sampled as part of the routine annual sampling event. Samples were not collected from wells MW-401 and MW-403 (installed by others) because the screen lengths of these wells are greater than 10 ft in length. Groundwater samples were not collected from OBG MW-4S and OBG MW-10 because of the presence of Light Non-Aqueous Phase Liquid (LNAPL) in these wells. Also, samples were not collected from wells OBG MW-8, OBG MW-9, and OBG MW-11 as these were installed in June 2016 for LNAPL assessment.

Due to the viscous LNAPL coating the interface probe of the measuring instrument, it was difficult to acquire an accurate measurement of the LNAPL thickness in monitoring wells MW-401, OBG MW-4S, and OBG MW-10. LNAPL was also observed on the water level probe at OBG MW-5S during low flow sampling. LNAPL was not detected in monitoring wells MW-403, OBG MW-8, OBG MW-9, and OBG MW-11, which are screened in waste fill. A summary of the LNAPL gauging results are presented in **Table 3**.

Low flow groundwater sampling was performed in accordance with USEPA, *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (EPA/540/S-95/504) and the USEPA Region 1 (July 30, 1996, Revision 4) *Low Stress (Low-Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells*.

Low-flow groundwater sampling was performed using polyethylene sample tubing lowered approximately to the midpoint of the well screen and connected to a peristaltic pump. The tubing was then attached to a flow-through cell attached to a physical parameter measurement instrument capable of measuring temperature, conductivity, pH, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Turbidity was also measured with a Hach® turbidity meter.

Once the pump was turned on, the well was purged at a rate that produced less than 0.3 ft of drawdown in the well, except for wells OBG MW-1S, OBG MW-2S/D, OBG MW-5S, OBG MW-6S/D, OBG MW-7S, OBG OS-MW-1, and OBG OS-MW-2. For these wells, the purge rate was maintained at a maximum of 100 milliliters per minute [ml/min]; however, a drawdown of more than 0.3 ft was observed. Groundwater sample logs are included in **Exhibit A**.

Purging continued until the water quality parameters stabilized within the USEPA Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells over a 5-minute period. Once stabilized, the pumping rate was reduced (when possible) and the flow-through cell was disconnected. Samples were collected directly into laboratory supplied containers. The sample container selection and preservation techniques followed EGLE Remediation and Redevelopment Division (RRD) Standard Operating Procedure for Sample Preservation, Sample Handling, and Holding Time (RRD-34).

The samples were labeled, packed on ice, and shipped via courier under routine chain-of-custody protocols to Merit Laboratories, Inc. (Merit) of East Lansing, Michigan. The groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260, and total and dissolved metals (arsenic, barium, lead, selenium, and zinc) by EPA Method 200.8.

Quality Assurance/Quality Control (QA/QC) samples for VOCs were collected and included a blind duplicate, field blank, and matrix spike/matrix spike duplicate (MS/MSD) set. One trip blank was submitted with each cooler shipment containing samples collected for VOC analyses.

The blind duplicate was collected from OBG MW-5S. The duplicate sample results compared closely with the original sample results indicating good reproducibility. Furthermore, the various blank samples collected during sampling were non-detect indicating that cross-contamination was not an issue for this sampling event.

3. GROUNDWATER SAMPLING RESULTS

Analytical results for this event indicate VOCs were not detected above the laboratory reporting limits, except at offsite monitoring wells OBG OS-MW-4, and OBG OS-MW-5 (which are screened in fill material).

All detected concentrations are below the EGLE Part 201 Generic Residential Drinking Water criteria. The concentrations for isopropylbenzene (7 µg/l) and naphthalene (9 µg/l) at OBG OS-MW-4 were above the EGLE Site Specific Volatilization to Indoor Air (VIAC) Residential Groundwater Not in Contact Criteria (GWNIC) for (0.60 µg/l) isopropylbenzene and (4.2 µg/l) naphthalene. The analytical results for the annual event are summarized on **Table 4** and the groundwater analytical data sheets are included in **Exhibit B**.

The samples were analyzed for both total and dissolved metals. The dissolved sample results were all less than and within 20 percent of the total sample results except for the following:

- OBG MW-3S arsenic dissolved result (8 µg/l) was 31 percent less than the total result (11 µg/l); zinc total result (<2.5 µg/l – half the reporting limit) was 66 percent less than the dissolved result (5 µg/l)
- OBG MW-5S zinc dissolved result (<2.5 µg/l – half the reporting limit) was 82 percent less than the total result (6 µg/l)
- OBG MW-7D zinc dissolved result (<2.5 µg/l – half the reporting limit) was 82 percent less than the total result (6 µg/l)
- OBG OS-MW-2 lead dissolved result (<1.5 µg/l – half the reporting limit) was 129 percent less than the total result (7 µg/l); zinc dissolved result (<2.5 µg/l – half the reporting limit) was 139 percent less than the total result (14 µg/l)
- OBG OS-MW-3 zinc dissolved result (<2.5 µg/l – half the reporting limit) was 131 percent less than the total result (12 µg/l)
- OBG OS-MW-5 zinc dissolved result (<2.5 µg/l – half the reporting limit) was 131 percent less than the total result (12 µg/l).

Selenium and zinc were not detected above the laboratory reporting limits or detections were below the EGLE Part 201 Generic Residential Drinking Water criteria.

Lead concentrations were below the method detection limit except at OBG OS-MW-2, which had a total lead result of 7 µg/l, and the dissolved lead result was non-detect.

Analytical results for arsenic levels at or above the EGLE Part 201 Generic Residential and Nonresidential Drinking Water criterion (10 µg/l) are as follows (results are total unless otherwise noted and only the highest of the total or dissolved sample results for each well is reported herein):

- Onsite monitoring wells: OBG MW-2S (18 µg/l), OBG MW-2D (31 µg/l), OBG MW-3S (11 µg/l), OBG MW- 6S (11 µg/l), OBG MW- 6D (20 µg/l), OBG MW-7S (14 µg/l dissolved result), and OBG MW-7D (34 µg/l)
- Offsite monitoring wells: OBG OS-MW-1 (36 µg/l), OBG OS-MW-2 (45 µg/l), and OBG OS-MW-3 (19 µg/l).

Analytical results for barium levels above the EGLE Part 201 Generic Residential and Non-Residential Drinking Water criterion (2,000 µg/l) are as follows:

- Offsite monitoring well: OBG OS MW-5 (2,210 µg/l).

A figure depicting the groundwater results above EGLE criteria is included as **Figure 4**.

4. SUMMARY

The results from this event support the conclusions and recommendations in the November 28, 2019 draft No Further Action (NFA) Report.

The results of the annual groundwater sampling event are comparable to the previous results. Concentrations of arsenic were detected above the EGLE Part 201 Nonresidential Drinking Water criteria in samples collected from both onsite and offsite wells and both wells screened in fill material and native soils. Therefore, the concentrations appear to be related to reducing conditions not caused by Site related impacts and do not appear to be leaching from the fill material. In addition, barium and lead concentrations were detected in offsite wells above the EGLE Part 201 Nonresidential Drinking Water criteria, which appear to be related to the fill material in these locations and not a result of groundwater migrating from the Site. On-site exceedances can be addressed with a resource use restriction for Site groundwater provided in the No Further Action (NFA) report.

Concentrations of VOCs were only detected above method detection limits at two offsite wells (OBG OS-MW-4 and OBG OS-MW-5) during this event and these results appear to be related to the fill material in these areas. These detections are below their EGLE Part 201 Nonresidential Drinking Water criteria.

Review of the groundwater analytical data for this annual sampling event and historical data indicates groundwater constituents and concentrations at offsite wells (OBG OS-MW-4 and OBG OS-MW-5) are mostly different than those detected at the HRIL Site. Therefore, impacted groundwater and fill material at the HRIL Site does not appear to be the source for contaminant concentrations detected offsite to the east or south.

As presented in **Table 3**, LNAPL thickness was considered immeasurable in wells MW-401, OBG MW-4S, and OBG MW-10 due to either minimal thickness of LNAPL or LNAPL coating the probe which prevented an accurate measurement.

If you have questions or would like additional information, please contact Clifford Yantz at (313) 333-0211 or David Favero at (217) 741-6235.

TABLES

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Monitoring Well Construction Details

Well	Completion Date	Installed By: Consultant/ Driller	Total Well Depth *	Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Casing Diameter (inches)	Screened Interval Elevations	Estimated Sand/Gravel Pack Elevations
ONSITE WELLS								
OBG MW-1S	29-Nov-10	O'Brien & Gere / Boart Longyear	27.20	774.9	777.64	2	755.44-750.44	757.44-749.44
OBG MW-2S	30-Nov-10	O'Brien & Gere / Boart Longyear	20.30	772.9	775.33	2	760.03-755.03	762.03-754.03
OBG MW-2D	30-Nov-10	O'Brien & Gere / Boart Longyear	38.50	772.8	775.19	2	741.69-736.69	743.69-735.69
OBG MW-3	30-Nov-10	O'Brien & Gere / Boart Longyear	27.70	774.3	777.31+	2	754.54-749.54	756.54-748.54
OBG MW-4S	30-Nov-10	O'Brien & Gere / Boart Longyear	27.70	766.3	769.15	2	746.45-741.45	748.45-740.45
OBG MW-5S	1-Dec-10	O'Brien & Gere / Boart Longyear	20.30	768.5	771.00	2	755.7-750.7 **	757.7-749.7
OBG MW-6S	1-Dec-10	O'Brien & Gere / Boart Longyear	19.10	769.70	772.70	2	758.6-753.6	760.6-752.6
OBG MW-6D	1-Dec-10	O'Brien & Gere / Boart Longyear	44.40	769.65	772.69	2	733.29-728.29	735.29-727.29
OBG MW-7S	2-Dec-10	O'Brien & Gere / Boart Longyear	17.70	763.56	766.30	2	753.6-748.6	755.6-747.6
OBG MW-7D	2-Dec-10	O'Brien & Gere / Boart Longyear	47.80	763.55	766.36	2	723.56-718.56	725.56-717.56
OBG MW-8	9-Jun-16	O'Brien & Gere/ Stock	22.46	768.14	771.21	2	759.23- 749.23	761.14-749.14
OBG MW-9	9-Jun-16	O'Brien & Gere/ Stock	22.65	767.91	770.93	2	758.78-748.78	760.91-748.91
OBG MW-10	9-Jun-16	O'Brien & Gere/ Stock	21.00	766.17	768.96	2	758.5-748.5	760.17- 748.17
OBG MW-11	9-Jun-16	O'Brien & Gere/ Stock	20.00	772.60	775.64	2	762.6- 752.6	764.6-744.6
OFFSITE WELLS								
OBG OS MW-1	11-Nov-13	O'Brien & Gere / Cascade	30.15	774.09	776.57	2	756.42-746.42 **	754.42-745.42
OBG OS MW-2	11-Nov-13	O'Brien & Gere / Cascade	30.29	774.02	776.67	2	756.38-746.38 **	754.38-744.42
OBG OS MW-3	9-Jun-14	O'Brien & Gere / Cascade	30.29	779.78	782.89	2	762.59-752.59 **	764.59-751.59
OBG OS MW-4	9-Jun-14	O'Brien & Gere / Cascade	27.76	776.09	779.00	2	761.20-751.20 **	763.20-750.20
OBG OS MW-5	10-Jun-14	O'Brien & Gere / Cascade	28.15	776.45	779.38	2	761.18-751.18 **	763.18-750.18

Notes:
1) ft amsl - feet above mean sea level (NGVD 1929)
2) ft TOC - feet below Top of Casing
3) Wells are polyvinylchloride (PVC), schedule 40, screen slot size 0.010 inch.
4) * - Total well depth as measured from TOC
   Elevation referenced to NGVD 1929
5) + - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
6) ** - Monitoring well is screened in waste fill.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 12/20/2010 (ft btoc)	Static Water Elevation 12/20/2010 (ft amsl)	Depth To Water 2/25/2011 (ft btoc)	Static Water Elevation 2/25/2011 (ft amsl)	Depth To Water 3/22/2012 (ft btoc)	Static Water Elevation 3/22/2012 (ft amsl)	Depth To Water 6/13/2012 (ft btoc)	Static Water Elevation 6/13/2012 (ft amsl)	Depth To Water 9/20/2012 (ft btoc)	Static Water Elevation 9/20/2012 (ft amsl)
OBG MW-1S	**777.64**	13.80	763.84	13.50	764.14	12.47	765.17	12.70	764.94	13.03	764.61
OBG MW-2S	**775.33**	11.59	763.74	11.02	764.31	10.41	764.92	10.45	764.88	10.26	765.07
OBG MW-2D	**775.19**	22.02	753.17	21.80	753.39	20.16	755.03	20.45	754.74	22.34	752.85
OBG MW-3 **	**777.31**	23.00	754.24	22.95	754.29	22.72	754.59	22.69	754.62	22.69	754.62
OBG MW-4S	**769.15**	--	--	--	--	14.30	754.85	14.55	754.60	14.52	754.63
OBG MW-5S	**771.00**	15.97	755.03	15.80	755.20	15.48	755.52	15.75	755.25	15.80	755.20
OBG MW-6S	**772.70**	14.72	757.98	14.18	758.52	13.81	758.89	14.31	758.39	14.84	757.86
OBG MW-6D	**772.69**	19.61	753.08	19.46	753.23	17.99	754.70	18.51	754.18	20.11	752.58
OBG MW-7S	**766.30**	8.68	757.62	8.10	758.20	8.12	758.18	8.36	757.94	8.59	757.71
OBG MW-7D	**766.36**	14.40	751.96	14.23	752.13	12.55	753.81	13.09	753.27	14.70	751.66
OBG MW-8	**771.21**										
OBG MW-9	**770.93**										
OBG MW-10	**768.96**										
OBG MW-11	**775.64**										
OBG OS MW-1	**776.57**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-2	**776.67**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-3	**782.89**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-4	**779.00**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-5	**779.38**	--	--	--	--	--	--	--	--	--	--

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
   The previous TOC was 777.24.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 12/18/2012 (ft btoc)	Static Water Elevation 12/18/2012 (ft amsl)	Depth To Water 4/16/2013 (ft btoc)	Static Water Elevation 4/16/2013 (ft amsl)	Depth To Water 10/15/2013 (ft btoc)	Static Water Elevation 10/15/2013 (ft amsl)	Depth To Water 12/10/2013 (ft btoc)	Static Water Elevation 12/10/2013 (ft amsl)	Depth To Water 4/24/2014 (ft btoc)	Static Water Elevation 4/24/2014 (ft amsl)
OBG MW-1S	**777.64**	13.18	764.46	12.28	765.36	13.60	764.04	--	--	12.69	764.95
OBG MW-2S	**775.33**	11.03	764.30	9.76	765.57	11.48	763.85	--	--	10.32	765.01
OBG MW-2D	**775.19**	21.26	753.93	20.57	754.62	21.28	753.91	--	--	20.21	754.98
OBG MW-3 **	**777.31**	22.87	754.44	22.77	754.54	22.78	754.53	--	--	22.73	754.58
OBG MW-4S	**769.15**	14.6	754.57	14.35	754.80	--	--	--	--	--	--
OBG MW-5S	**771.00**	15.93	755.07	15.47	755.53	15.80	755.20	--	--	15.59	755.41
OBG MW-6S	**772.70**	14.62	758.08	12.42	760.28	14.94	757.76	--	--	13.79	758.91
OBG MW-6D	**772.69**	18.96	753.73	18.04	754.65	19.21	753.48	--	--	18.10	754.59
OBG MW-7S	**766.30**	8.37	757.93	7.26	759.04	8.85	757.45	--	--	7.81	758.49
OBG MW-7D	**766.36**	13.73	752.63	12.95	753.41	13.93	752.43	--	--	12.64	753.72
OBG MW-8	**771.21**			--	--	--	--	--	--	--	--
OBG MW-9	**770.93**			--	--	--	--	--	--	--	--
OBG MW-10	**768.96**			--	--	--	--	--	--	--	--
OBG MW-11	**775.64**			--	--	--	--	--	--	--	--
OBG OS MW-1	**776.57**	--	--	--	--	--	--	22.10	754.47	--	--
OBG OS MW-2	**776.67**	--	--	--	--	--	--	21.43	755.24	--	--
OBG OS MW-3	**782.89**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-4	**779.00**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-5	**779.38**	--	--	--	--	--	--	--	--	--	--

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
   The previous TOC was 777.24.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 7/2/2014 (ft btoc)	Static Water Elevation 7/2/2014 (ft amsl)	Depth To Water 7/28/2014 (ft btoc)	Static Water Elevation 7/28/2014 (ft amsl)	Depth To Water 9/11/2014 (ft btoc)	Static Water Elevation 9/11/2014 (ft amsl)	Depth To Water 5/28/2015 (ft btoc)	Static Water Elevation 5/28/2015 (ft amsl)	Depth To Water 10/29/2015 (ft btoc)	Static Water Elevation 10/29/2015 (ft amsl)
OBG MW-1S	**777.64**	--	--	--	--	12.44	765.20	12.64	765.00	12.75	764.89
OBG MW-2S	**775.33**	--	--	--	--	10.29	765.04	10.59	764.74	10.77	764.56
OBG MW-2D	**775.19**	--	--	--	--	20.42	754.77	19.90	755.29	19.94	755.25
OBG MW-3 **	**777.31**	--	--	--	--	22.54	754.77	22.85	754.46	22.77	754.54
OBG MW-4S	**769.15**	--	--	--	--	14.6	754.58	--	--	--	--
OBG MW-5S	**771.00**	--	--	--	--	15.84	755.16	15.61	755.39	15.40	755.60
OBG MW-6S	**772.70**	--	--	--	--	14.49	758.21	14.22	758.48	14.72	757.98
OBG MW-6D	**772.69**	--	--	--	--	18.06	754.63	17.54	755.15	17.70	754.99
OBG MW-7S	**766.30**	--	--	--	--	8.37	757.93	8.25	758.05	8.43	757.87
OBG MW-7D	**766.36**	--	--	--	--	12.91	753.45	12.35	754.01	12.44	753.92
OBG MW-8	**771.21**	--	--	--	--	--	--	--	--	--	--
OBG MW-9	**770.93**	--	--	--	--	--	--	--	--	--	--
OBG MW-10	**768.96**	--	--	--	--	--	--	--	--	--	--
OBG MW-11	**775.64**	--	--	--	--	--	--	--	--	--	--
OBG OS MW-1	**776.57**	--	--	--	--	22.17	754.40	21.95	754.62	22.24	754.33
OBG OS MW-2	**776.67**	--	--	--	--	21.58	755.09	21.34	755.33	21.73	754.94
OBG OS MW-3	**782.89**	25.39	757.50	25.52	757.37	25.89	757.00	25.99	756.90	26.06	756.83
OBG OS MW-4	**779.00**	24.29	754.71	24.34	754.66	24.48	754.52	24.40	754.60	24.25	754.75
OBG OS MW-5	**779.38**	24.71	754.67	24.79	754.59	24.91	754.47	24.82	754.56	24.67	754.71

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
   The previous TOC was 777.24.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 4/14/2016 (ft btoc)	Static Water Elevation 4/14/2016 (ft amsl)	Depth To Water 9/9/2016 (ft btoc)	Static Water Elevation 9/9/2016 (ft amsl)	Depth To Water 10/21/2016 (ft btoc)	Static Water Elevation 10/21/2016 (ft amsl)	Depth To Water 4/10/2016 (ft btoc)	Static Water Elevation 4/10/2016 (ft amsl)	Depth To Water 10/17/2017 (ft btoc)	Static Water Elevation 10/17/2017 (ft amsl)
OBG MW-1S	**777.64**	11.45	766.19	--	--	12.89	764.75	11.28	766.36	13.05	764.59
OBG MW-2S	**775.33**	9.16	766.17	--	--	10.38	764.95	8.83	766.50	10.93	764.40
OBG MW-2D	**775.19**	18.83	756.36	--	--	21.02	754.17	18.83	756.36	20.65	754.54
OBG MW-3 **	**777.31**	22.47	754.84	--	--	23.05	754.26	23.00	754.31	23.15	754.16
OBG MW-4S	**769.15**	--	--	--	--	--	--	13.90	755.25	14.55	754.60
OBG MW-5S	**771.00**	15.17	755.83	--	--	15.80	755.20	14.90	756.10	15.91	755.09
OBG MW-6S	**772.70**	12.70	760.00	--	--	14.53	758.17	11.71	760.99	14.90	757.80
OBG MW-6D	**772.69**	16.99	755.70	--	--	17.96	754.73	16.60	756.09	18.30	754.39
OBG MW-7S	**766.30**	7.27	759.03	--	--	8.14	758.16	6.70	759.60	8.17	758.13
OBG MW-7D	**766.36**	11.35	755.01	--	--	13.47	752.89	11.34	755.02	13.51	752.85
OBG MW-8	**771.21**	--	--	16.30	754.91	--	--	15.08	756.13	16.40	754.81
OBG MW-9	**770.93**	--	--	16.42	754.51	--	--	14.45	756.48	16.19	754.74
OBG MW-10	**768.96**	--	--	--	--	--	--	12.99	755.97	14.30	754.66
OBG MW-11	**775.64**	--	--	18.30	757.34	--	--	15.79	759.85	17.90	757.74
OBG OS MW-1	**776.57**	21.40	755.17	--	--	21.71	754.86	21.25	755.32	22.10	754.47
OBG OS MW-2	**776.67**	20.49	756.18	--	--	21.18	755.49	20.34	756.33	21.48	755.19
OBG OS MW-3	**782.89**	25.10	757.79	--	--	26.33	756.56	24.76	758.13	26.35	756.54
OBG OS MW-4	**779.00**	23.91	755.09	--	--	24.52	754.48	23.85	755.15	24.70	754.30
OBG OS MW-5	**779.38**	24.33	755.05	--	--	24.94	754.44	24.25	755.13	25.06	754.32

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
   The previous TOC was 777.24.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 4/17/2018 (ft btoc)	Static Water Elevation 4/17/2018 (ft amsl)	Depth To Water 10/15/2018 (ft btoc)	Static Water Elevation 10/15/2018 (ft amsl)	Depth To Water 4/29/2019 (ft btoc)	Static Water Elevation 4/29/2019 (ft amsl)	Depth To Water 10/1/2019 (ft btoc)	Static Water Elevation 10/1/2019 (ft amsl)	Depth To Water 6/29/2020 (ft btoc)	Static Water Elevation 6/29/2020 (ft amsl)
OBG MW-1S	**777.64**	11.08	766.56	12.35	765.29	11.67	765.97	12.89	764.75	12.31	765.33
OBG MW-2S	**775.33**	8.91	766.42	10.19	765.14	9.19	766.14	10.95	764.38	10.35	764.98
OBG MW-2D	**775.19**	18.94	756.25	20.14	755.05	18.81	756.38	19.95	755.24	19.10	756.09
OBG MW-3 **	**777.31**	22.93	754.38	23.23	754.08	23.00	754.31	23.05	754.26	23.08	754.23
OBG MW-4S	**769.15**	13.85	755.30	14.29	754.86	14.30	754.85	--	--	--	--
OBG MW-5S	**771.00**	15.20	755.80	15.66	755.34	15.49	755.51	15.88	755.12	15.70	755.30
OBG MW-6S	**772.70**	12.36	760.34	14.38	758.32	12.86	759.84	14.55	758.15	14.20	758.50
OBG MW-6D	**772.69**	16.70	755.99	17.95	754.74	16.49	756.20	17.75	754.94	16.85	755.84
OBG MW-7S	**766.30**	6.55	759.75	8.13	758.17	7.18	759.12	7.80	758.50	7.95	758.35
OBG MW-7D	**766.36**	11.43	754.93	12.56	753.80	11.24	755.12	12.42	753.94	11.55	754.81
OBG MW-8	**771.21**	15.16	756.05	15.63	755.58	15.45	755.76	16.31	754.90	15.45	755.76
OBG MW-9	**770.93**	14.44	756.49	15.65	755.28	14.44	756.49	15.96	754.97	14.72	756.21
OBG MW-10	**768.96**	12.99	755.97	13.61	755.35	13.22	755.74	--	--	13.80	755.16
OBG MW-11	**775.64**	16.29	759.35	17.15	758.49	16.20	759.44	17.21	758.43	17.09	758.55
OBG OS MW-1	**776.57**	21.29	755.28	21.98	754.59	21.20	755.37	--	--	21.95	754.62
OBG OS MW-2	**776.67**	20.30	756.37	21.24	755.43	20.35	756.32	21.31	755.36	21.11	755.56
OBG OS MW-3	**782.89**	25.05	757.84	26.16	756.73	24.95	757.94	25.81	757.08	25.39	757.50
OBG OS MW-4	**779.00**	23.99	755.01	24.61	754.39	24.10	754.90	24.60	754.40	24.49	754.51
OBG OS MW-5	**779.38**	24.36	755.02	24.97	754.41	24.47	754.91	24.96	754.42	24.82	754.56

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011.
   The previous TOC was 777.24.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Groundwater Elevation Data

Well	Top of Casing Elevation (ft amsl)	Depth To Water 10/27/2020 (ft btoc)	Static Water Elevation 10/27/2020 (ft amsl)	Depth To Water 4/21/2021 (ft btoc)	Static Water Elevation 4/21/2021 (ft amsl)	Depth To Water 4/27/2022 (ft btoc)	Static Water Elevation 4/27/2022 (ft amsl)
OBG MW-1S	**777.64**	12.98	764.66	12.49	765.15	11.78	765.86
OBG MW-2S	**775.33**	10.75	764.58	10.11	765.22	9.03	766.30
OBG MW-2D	**775.19**	20.26	754.93	19.12	756.07	18.18	757.01
OBG MW-3 **	**777.31**	23.16	754.15	23.11	754.20	23.03	754.28
OBG MW-4S	**769.15**	--	--	--	--	--	--
OBG MW-5S	**771.00**	15.71	755.29	15.65	755.35	15.57	755.43
OBG MW-6S	**772.70**	14.44	758.26	13.85	758.85	13.70	759.00
OBG MW-6D	**772.69**	17.91	754.78	16.85	755.84	15.93	756.76
OBG MW-7S	**766.30**	7.84	758.46	7.82	758.48	7.49	758.81
OBG MW-7D	**766.36**	12.76	753.60	11.64	754.72	10.67	755.69
OBG MW-8	**771.21**	16.34	754.87	15.76	755.45	15.66	755.55
OBG MW-9	**770.93**	15.75	755.18	15.14	755.79	15.13	755.80
OBG MW-10	**768.96**	--	--	--	--	--	--
OBG MW-11	**775.64**	17.58	758.06	17.08	758.56	16.65	758.99
OBG OS MW-1	**776.57**	22.02	754.55	21.79	754.78	21.48	755.09
OBG OS MW-2	**776.67**	21.25	755.42	20.98	755.69	20.56	756.11
OBG OS MW-3	**782.89**	26.06	756.83	25.82	757.07	25.10	757.79
OBG OS MW-4	**779.00**	24.53	754.47	24.50	754.50	24.38	754.62
OBG OS MW-5	**779.38**	24.88	754.50	24.85	754.53	24.72	754.66

Notes:

1) ft amsl - feet above mean sea level (NGVD 1929).
2) ft btoc - feet below top of casing.
3) --' denotes depth to water not collected.
4) ** - OBG MW-3 was repaired, and the TOC resurveyed, on 9/2/2011. The previous TOC was 777.24.

TABLE 3
RACER Trust - Hemphill Road Industrial Land
LNAPL Observation/Removal Logs

Date	Approximate Depth to LNAPL (ft)	Depth to Water (ft)	Approximate LNAPL Thickness (ft)	Approximate Volume of LNAPL Removed	Absorbent Sock Installed
OBG MW-4S (Installed 11-2010)					
12/20/2010	IM	--	4.00	--	yes
2/25/2011	14.40	18.40	4.00	--	yes
5/13/2011	14.50	18.63	4.13	3-4 gal.	yes
6/24/2011	14.19	15.18	0.99	1-2 gal.	yes
7/29/2011	14.30	14.62	0.32	0.3-0.5 gal	yes
9/2/2011	14.43	14.51	0.08	<0.2 gal	yes
3/22/2012	IM	14.30	--	--	yes
6/13/2012	IM	14.55	--	--	yes
9/21/2012	IM	14.52	--	--	yes
12/18/2012	IM	14.60	--	--	yes
4/16/2013	14.35	14.91	0.56	<0.2 gal	yes
10/15/2013	14.49	14.60	0.11	--	yes
4/24/2014	IM	--	--	--	yes
10/14/2014	IM	--	--	--	yes
5/28/2015	IM	--	--	--	
10/29/2015	IM	14.49	--	--	
4/13/2016	IM	--	--	--	
9/9/2016*	IM	14.61	--	--	
10/21/2016*	IM	14.60	--	--	
2/15/2017*	IM	14.29	--	--	
4/11/2017*	13.90	14.40	0.50	--	
10/18/2017	IM	14.55	--	--	
4/18/2018	IM	13.85	--	--	
10/17/2018	IM	14.51	--	--	
4/30/2019	IM	14.30	--	--	
10/1/2019	IM	--	--	--	
6/29/2020	IM	--	--	--	
11/2/2020	IM	14.15	--	--	
4/26/2021	IM	14.20	--	--	
4/29/2022	IM	13.90	--	--	
OBG MW-10 (Installed 6-2016)					
6/10/2016	IM	13.85	--	--	
9/9/2016	14.28	14.47	0.19	<0.2 gal	
10/20/2016	13.95	14.50	0.55	<0.5 gal	
2/15/2017	IM	13.61	--	--	
4/11/2017	IM	12.99	--	--	
10/18/2017	IM	14.30	--	--	
4/18/2018	IM	12.99	--	--	
10/17/2018	IM	14.09	--	--	
4/30/2019	IM	13.22	--	--	
10/1/2019	IM	--	--	--	
6/29/2020	IM	13.80	--	--	
11/2/2020	IM	14.30	--	--	
4/26/2021	IM	14.33	--	--	
4/29/2022	IM	13.55	--	--	
MW-401 (Installed 5-1988)					
5/18/1988	UNK	12.00	--	--	
1st quarter 1993	UNK	15.26	--	--	
2nd quarter 1993	UNK	15.53	--	--	
3rd quarter 1993	UNK	15.57	--	--	
4th quarter 1993	UNK	15.85	--	--	
1st quarter 1994	UNK	15.66	--	--	
2nd quarter 1994	UNK	15.57	--	--	
3rd quarter 1994	UNK	15.69	--	--	
4th quarter 1994	UNK	15.52	--	--	
1st quarter 1995	UNK	15.50	--	--	
2nd quarter 1995	UNK	15.60	--	--	
4th quarter 1995	UNK	16.10	--	--	

TABLE 3
RACER Trust - Hemphill Road Industrial Land
LNAPL Observation/Removal Logs

Date	Approximate Depth to LNAPL (ft)	Depth to Water (ft)	Approximate LNAPL Thickness (ft)	Approximate Volume of LNAPL Removed	Absorbent Sock Installed
MW-401 (Continued) (Installed 5-1988)					
1st quarter 1996	UNK	13.72	--	--	
2nd quarter 1996	UNK	13.70	--	--	
3rd quarter 1996	UNK	13.77	--	--	
4th quarter 1996	UNK	13.65	--	--	
5/7/1998	IM	15.00	--	--	
12/13/1999	14.45	14.95	0.50	--	yes
2/22/2000	IM	14.65	--	--	yes
10/30/2000	IM	13.95	--	--	yes
3/28/2001	IM	14.64	--	--	yes
7/2/2001	IM	13.31	0.50	--	yes
9/31/2001	IM	13.30	--	--	yes
12/27/2001	IM	14.74	0.25	--	
4/4/2002	IM	14.64	--	--	
3/20/2003	IM	14.98	0.30	<0.5 gal	
6/20/2003	IM	13.60	--	<0.2 gal	
9/30/2003	IM	13.74	--	<0.2 gal	
12/16/2003	IM	13.60	--	<0.2 gal	
3/10/2004	IM	13.47	--	<0.2 gal	
6/10/2004	IM	17.30	--	<0.2 gal	
9/15/2004	IM	17.41	--	<0.2 gal	
12/21/2004	IM	13.51	--	<0.2 gal	
3/31/2005	IM	17.80	--	<0.2 gal	
6/8/2005	IM	14.65	--	<0.2 gal	
9/29/2005	IM	14.10	--	<0.2 gal	
12/29/2005	IM	13.81	--	<0.2 gal	
3/22/2012	IM	14.70	--	--	
6/13/2012	IM	13.30	--	<0.2 gal	
9/20/2012	IM	13.30	--	<0.2 gal	
12/18/2012	13.20	13.30	0.10	<0.2 gal	
4/16/2013	IM	12.99	--	<0.2 gal	
10/15/2013	IM	12.99	--	<0.2 gal	
4/24/2014	IM	14.70	--	--	
10/14/2014	IM	13.13	--	--	yes
5/28/2015	IM	--	--	--	
10/29/2015	IM	--	--	--	
4/13/2016	IM	--	--	--	
9/9/2016*	13.35	14.50	1.15	Approx. 0.5 gal	
10/20/2016*	13.20	13.90	0.60	<0.2 gal	
2/15/2017*	IM	--	0.60	<0.2 gal	
4/11/2017*	13.85	14.60	0.75	<0.2 gal	
10/18/2017	IM	13.35	0.60	--	
4/18/2018	IM	--	--	--	
10/17/2018	IM	--	--	--	
4/30/2019	IM	12.80	--	--	
10/1/2019	IM	--	--	--	
6/29/2020	IM	--	--	--	
11/2/2020	IM	12.90	--	--	
4/27/2021	IM	12.80	--	--	
4/29/2022	IM	--	--	--	

Notes:

1) LNAPL = denotes Light Non-Aqueous Phase Liquid.
2) Depth to LNAPL and water measured from Top-of-casing.
3) * = absorbent sock placed in well, and denotes LNAPL measurement estimated from absorbent sock liner smear.
4) IM = denotes immeasurable amount of LNAPL, no measurement could be collected either due to minimal thickness of LNAPL or LNAPL coating the probe not allowing for
5) UNK = denotes unknown.

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TABLE 4
RACER Trust - Hemphill Road Industrial Land
Groundwater Analytical Results - April 2021

		ONSITE WELLS										EGLE Part 201 Generic Criteria		EGLE Site Specific Criteria	
Monitoring Well		OBG MW-1S		OBG MW-2S		OBG MW-2D		OBG MW-3S		*OBG MW-5S		Residential	Non-Residential	Residential VIAC	Nonresidential VIAC
Sample Date		4/27/2022		4/27/2022		4/28/2022		4/28/2022		4/29/2022		Drinking Water	Drinking Water	GWNIC	GWNIC
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals															
Arsenic		<2	<2	**18**	**16**	**31**	**31**	**11**	**8**	**3**	**3**	10 (A)	10 (A)	--	--
Barium		**177**	**170**	**183**	**183**	**235**	**230**	**203**	**199**	**1,020**	**1,020**	2,000 (A)	2,000 (A)	--	--
Lead		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	4.0 (L)	4.0 (L)	--	--
Selenium		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)	--	--
Zinc		<5	<5	<5	<5	<5	<5	<5	**5**	**6**	<5	2,400	5,000 (E)	--	--
VOCs	**DO/ORP:**	1.97	23.5	0.73	-21.4	0.62	-48.6	0.15	7.2	1.96	-117.4				
Acetone		<50		<50		<50		<50		<50		730	2,100	--	--
Acrylonitrile		<2		<2		<2		<2		<2		2.6	11	--	--
2-Butanone (MEK)		<25		<25		<25		<25		<25		13,000	38,000	--	--
Benzene		<1		<1		<1		<1		<1		5 (A)	5 (A)	1.0 ca	420 ca
n-Butylbenzene		<1		<1		<1		<1		<1		80	230	44 nc	12,000 (S) sol
Bromobenzene		<1		<1		<1		<1		<1		18	50	--	--
Bromochloromethane		<1		<1		<1		<1		<1		NA	NA	--	--
Bromodichloromethane		<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromoform		<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromomethane		<5		<5		<5		<5		<5		10	29	--	--
sec-Butylbenzene		<1		<1		<1		<1		<1		80	230	270 nc	18,000 (S) sol
tert-Butylbenzene		<1		<1		<1		<1		<1		80	230	7.7E-02 (M) nc	25 nc
Carbon disulfide		<5		<5		<5		<5		<5		800	2,300	--	--
Carbon tetrachloride		<1		<1		<1		<1		<1		5 (A)	5 (A)	--	--
Chlorobenzene		<1		<1		<1		<1		<1		100 (A)	100 (A)	--	--
Chloroethane		<5		<5		<5		<5		<5		430	1700	--	--
Chloroform		<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Chloromethane		<5		<5		<5		<5		<5		260	1,100	--	--
1,1-Dichloroethane		<1		<1		<1		<1		<1		880	2,500	4.7 ca	2,000 ca
1,1-Dichloroethene		<1		<1		<1		<1		<1		7 (A)	7 (A)	18 nc	3,200 nc
1,2-Dibromo-3-chloropropane		<5		<5		<5		<5		<5		0.2 (A)	0.2 (A)	--	--
1,2-Dibromoethane		<1		<1		<1		<1		<1		0.05 (A)	0.05 (A)	--	--
1,2-Dichlorobenzene		<1		<1		<1		<1		<1		600 (A)	600 (A)	--	--
1,2-Dichloroethane		<1		<1		<1		<1		<1		5 (A)	5 (A)	1.4 ca	620 ca
1,2-Dichloropropane		<1		<1		<1		<1		<1		5 (A)	5 (A)	--	--
1,3-Dichlorobenzene		<1		<1		<1		<1		<1		6.6	19	--	--
1,4-Dichlorobenzene		<1		<1		<1		<1		<1		75 (A)	75 (A)	--	--
cis-1,2-Dichloroethene		<1		<1		<1		<1		<1		70 (A)	70 (A)	3.4 nc	900 nc
cis-1,3-Dichloropropene[3]		<1		<1		<1		<1		<1		8.5	35	--	--
Dibromochloromethane		<5		<5		<5		<5		<5		80 (A,W)	80 (A,W)	--	--
Dibromomethane		<5		<5		<5		<5		<5		80	230	--	--
Dichlorodifluoromethane		<5		<5		<5		<5		<5		1,700	4,800	--	--
Diethyl ether		<10		<10		<10		<10		<10		10 (E)	10 (E)	--	--
trans-1,2-Dichloroethene		<1		<1		<1		<1		<1		100 (A)	100 (A)	13 nc	3,700 nc
trans-1,3-Dichloropropene[3]		<1		<1		<1		<1		<1		8.5	35	--	--
trans-1,4-Dichloro-2-butene		<1		<1		<1		<1		<1		na	na	--	--
Ethlybenzene		<1		<1		<1		<1		<1		74 (E)	74 (E)	2.8 ca	1,400 ca
2-Hexanone		<50		<50		<50		<50		<50		1,000	2,900	--	--
Hexachloroethane		<5		<5		<5		<5		<5		7.3	21	--	--
p-Isopropyltoluene		<5		<5		<5		<5		<5		NA	NA	--	--
Isopropylbenzene		<5		<5		<5		<5		<5		800	2,300	0.60 (M) ca	300 ca
2-Methylnaphthalene		<5		<5		<5		<5		<5		260	750	66 nc	24,000 nc
4-Methyl-2-pentanone (MIBK)		<50		<50		<50		<50		<50		1,800	5,200	--	--
tert-Methyl butyl ether (MTBE)		<5		<5		<5		<5		<5		40 (E)	40 (E)	250 ca	1.2E+05 ca
Methyl iodide		<1		<1		<1		<1		<1		NA	NA	--	--
Methylene chloride		<5		<5		<5		<5		<5		5 (A)	5 (A)	--	--
Naphthalene		<5		<5		<5		<5		<5		520	1500	4.2 (M) ca	2,200 ca
n-Propylbenzene		<1		<1		<1		<1		<1		80	230	43 (SE) dev	52,000 (SE) dev
Styrene		<1		<1		<1		<1		<1		100 (A)	100 (A)	--	--
1,1,1,2-Tetrachloroethane		<1		<1		<1		<1		<1		77	320	--	--
1,1,1-Trichloroethane		<1		<1		<1		<1		<1		200 (A)	200 (A)	--	--
1,1,2,2-Tetrachloroethane		<1		<1		<1		<1		<1		8.5	35	--	--
1,1,2-Trichloroethane		<1		<1		<1		<1		<1		5.0 (A)	5.0 (A)	--	--
1,2,3-Trichlorobenzene		<5		<5		<5		<5		<5		NA	NA	43 nc	15,000 nc
1,2,3-Trichloropropane		<1		<1		<1		<1		<1		42	120	--	--
1,2,3-Trimethylbenzene		<1		<1		<1		<1		<1		NA	NA	--	--
1,2,4-Trichlorobenzene		<5		<5		<5		<5		<5		70 (A)	70 (A)	25 nc	8,300 nc
1,2,4-Trimethylbenzene		<1		<1		<1		<1		<1		63 (E)	63 (E)	--	--
1,3,5-Trimethylbenzene		<1		<1		<1		<1		<1		72 (E)	72 (E)	18 nc	5,900 nc
Tetrachloroethene		<1		<1		<1		<1		<1		5.0 (A)	5.0 (A)	1.5 (SE) st	1,200 (SE) st
Tetrahydrofuran		<90		<90		<90		<90		<90		95	270	45,000 nc	9.9E+06 nc
Toluene		<1		<1		<1		<1		<1		790 (E)	790 (E)	300 (SE) st	4.2E+05 (SE) st
Trichloroethene		<1		<1		<1		<1		<1		5 (A)	5 (A)	7.3-02 (M)(SE) dev	78 (SE) dev
Trichlorofluoromethane		<1		<1		<1		<1		<1		2,600	7,300	--	--
Vinyl chloride		<1		<1		<1		<1		<1		2.0 (A)	2.0 (A)	0.12 (M) mut	100 ca
o-Xylene[4]		<1		<1		<1		<1		<1		280 (E)	280 (E)	75 nc	23,000 nc
p,m-Xylene[4]		<2		<2		<2		<2		<2		280 (E)	280 (E)	75 nc	23,000 nc

Notes:
Units are µg/L.
* - indicates monitoring well is screened in fill.
Critria are for total 1,3-Dichloropropene, values for cis and trans should be summed and compared against the appropriate criterion.
Critria are for total xylenes, values for p,m- and o- should be summed and compared against the appropriate criterion.
Detections are shown in bold type.
Highlighted value denotes an analytical value that exceeds criteria or a criterion that has been exceeded.
(A) - Criterion is the state of Michigan drinking water standard established pursuant toSection 5 of 1976 PA 399, MCL 325.1005.
(E) - Criterion is the aesthetic drinking water value, as required by Section 20120a(5)of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
(L) - Criteria for lead are derived using a biologically based model, as allowed forunder Section 20120a(9) of the NREPA.
(W) - Concentrations of trihalomethanes in groundwater shall be added together todetermine compliance with the Michigan drinking water standard of 80 ug/L.
'na' - means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

TABLE 4
RACER Trust - Hemphill Road Industrial Land
Groundwater Analytical Results - April 2021

		ONSITE WELLS (CONTINUED)								EGLE Part 201 Generic Criteria		EGLE Site Specific Criteria	
	Monitoring Well	OBG MW-6S		OBG MW-6D		OBG MW-7S		OBG MW-7D		Residential	Non-Residential	Residential VIAC	Nonresidential VIAC
	Sample Date	4/27/2022		4/27/2022		4/27/2022		4/27/2022		Drinking Water	Drinking Water	GWNIC	GWNIC
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals													
Arsenic		**11**	**11**	**20**	**20**	**12**	**14**	**34**	**33**	10 (A)	10 (A)	--	--
Barium		**134**	**136**	**72**	**69**	**237**	**232**	**89**	**92**	2,000 (A)	2,000 (A)	--	--
Lead		<3	<3	<3	<3	<3	<3	<3	<3	4.0 (L)	4.0 (L)	--	--
Selenium		<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)	--	--
Zinc		<5	<5	<5	<5	<5	<5	**6**	<5	2,400	5,000 (E)	--	--
VOCs	**DO/ORP:**	2.00	9.1	5.08	-77.1	0.09	-132.9	0.09	-137.8				
Acetone		<50		<50		<50		<50		730	2,100	--	--
Acrylonitrile		<2		<2		<2		<2		2.6	11	--	--
2-Butanone (MEK)		<25		<25		<25		<25		13,000	38,000	--	--
Benzene		<1		<1		<1		<1		5 (A)	5 (A)	1.0 ca	420 ca
n-Butylbenzene		<1		<1		<1		<1		80	230	44 nc	12,000 (S) sol
Bromobenzene		<1		<1		<1		<1		18	50	--	--
Bromochloromethane		<1		<1		<1		<1		NA	NA	--	--
Bromodichloromethane		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromoform		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromomethane		<5		<5		<5		<5		10	29	--	--
sec-Butylbenzene		<1		<1		<1		<1		80	230	270 nc	18,000 (S) sol
tert-Butylbenzene		<1		<1		<1		<1		80	230	7.7E-02 (M) nc	25 nc
Carbon disulfide		<5		<5		<5		<5		800	2,300	--	--
Carbon tetrachloride		<1		<1		<1		<1		5 (A)	5 (A)	--	--
Chlorobenzene		<1		<1		<1		<1		100 (A)	100 (A)	--	--
Chloroethane		<5		<5		<5		<5		430	1700	--	--
Chloroform		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Chloromethane		<5		<5		<5		<5		260	1,100	--	--
1,1-Dichloroethane		<1		<1		<1		<1		880	2,500	4.7 ca	2,000 ca
1,1-Dichloroethene		<1		<1		<1		<1		7 (A)	7 (A)	18 nc	3,200 nc
1,2-Dibromo-3-chloropropane		<5		<5		<5		<5		0.2 (A)	0.2 (A)	--	--
1,2-Dibromomethane		<1		<1		<1		<1		0.05 (A)	0.05 (A)	--	--
1,2-Dichlorobenzene		<1		<1		<1		<1		600 (A)	600 (A)	--	--
1,2-Dichloroethane		<1		<1		<1		<1		5 (A)	5 (A)	1.4 ca	620 ca
1,2-Dichloropropane		<1		<1		<1		<1		5 (A)	5 (A)	--	--
1,3-Dichlorobenzene		<1		<1		<1		<1		6.6	19	--	--
1,4-Dichlorobenzene		<1		<1		<1		<1		75 (A)	75 (A)	--	--
cis-1,2-Dichloroethene		<1		<1		<1		<1		70 (A)	70 (A)	3.4 nc	900 nc
cis-1,3-Dichloropropene[3]		<1		<1		<1		<1		8.5	35	--	--
Dibromochloromethane		<5		<5		<5		<5		80 (A,W)	80 (A,W)	--	--
Dibromomethane		<5		<5		<5		<5		80	230	--	--
Dichlorodifluoromethane		<5		<5		<5		<5		1,700	4,800	--	--
Diethyl ether		<10		<10		<10		<10		10 (E)	10 (E)	--	--
trans-1,2-Dichloroethene		<1		<1		<1		<1		100 (A)	100 (A)	13 nc	3,700 nc
trans-1,3-Dichloropropene[3]		<1		<1		<1		<1		8.5	35	--	--
trans-1,4-Dichloro-2-butene		<1		<1		<1		<1		na	na	--	--
Ethlybenzene		<1		<1		<1		<1		74 (E)	74 (E)	2.8 ca	1,400 ca
2-Hexanone		<50		<50		<50		<50		1,000	2,900	--	--
Hexachloroethane		<5		<5		<5		<5		7.3	21	--	--
p-Isopropyltoluene		<5		<5		<5		<5		NA	NA	--	--
Isopropylbenzene		<5		<5		<5		<5		800	2,300	0.60 (M) ca	300 ca
2-Methylnaphthalene		<5		<5		<5		<5		260	750	66 nc	24,000 nc
4-Methyl-2-pentanone (MIBK)		<50		<50		<50		<50		1,800	5,200	--	--
tert-Methyl butyl ether (MTBE)		<5		<5		<5		<5		40 (E)	40 (E)	250 ca	1.2E+05 ca
Methyl iodide		<1		<1		<1		<1		NA	NA	--	--
Methylene chloride		<5		<5		<5		<5		5 (A)	5 (A)	--	--
Naphthalene		<5		<5		<5		<5		520	1500	4.2 (M) ca	2,200 ca
n-Propylbenzene		<1		<1		<1		<1		80	230	43 (SE) dev	52,000 (SE) dev
Styrene		<1		<1		<1		<1		100 (A)	100 (A)	--	--
1,1,1,2-Tetrachloroethane		<1		<1		<1		<1		77	320	--	--
1,1,1-Trichloroethane		<1		<1		<1		<1		200 (A)	200 (A)	--	--
1,1,2,2-Tetrachloroethane		<1		<1		<1		<1		8.5	35	--	--
1,1,2-Trichloroethane		<1		<1		<1		<1		5.0 (A)	5.0 (A)	--	--
1,2,3-Trichlorobenzene		<5		<5		<5		<5		NA	NA	43 nc	15,000 nc
1,2,3-Trichloropropane		<1		<1		<1		<1		42	120	--	--
1,2,3-Trimethylbenzene		<1		<1		<1		<1		NA	NA	--	--
1,2,4-Trichlorobenzene		<5		<5		<5		<5		70 (A)	70 (A)	25 nc	8,300 nc
1,2,4-Trimethylbenzene		<1		<1		<1		<1		63 (E)	63 (E)	--	--
1,3,5-Trimethylbenzene		<1		<1		<1		<1		72 (E)	72 (E)	18 nc	5,900 nc
Tetrachloroethene		<1		<1		<1		<1		5.0 (A)	5.0 (A)	1.5 (SE) st	1,200 (SE) st
Tetrahydrofuran		<90		<90		<90		<90		95	270	45,000 nc	9.9E+06 nc
Toluene		<1		<1		<1		<1		790 (E)	790 (E)	300 (SE) st	4.2E+05 (SE) st
Trichloroethene		<1		<1		<1		<1		5 (A)	5 (A)	7.3-02 (M)(SE) dev	78 (SE) dev
Trichlorofluoromethane		<1		<1		<1		<1		2,600	7,300	--	--
Vinyl chloride		<1		<1		<1		<1		2.0 (A)	2.0 (A)	0.12 (M) mut	100 ca
o-Xylene[4]		<1		<1		<1		<1		280 (E)	280 (E)	75 nc	23,000 nc
p,m-Xylene[4]		<2		<2		<2		<2		280 (E)	280 (E)	75 nc	23,000 nc

Notes:
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(L) - Criteria for lead are derived using a biologically based model, as allowed forunder Section 20120a(9) of the NREPA.
(W) - Concentrations of trihalomethanes in groundwater shall be added together todetermine compliance with the Michigan drinking water standard of 80 ug/L.
'na' - means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

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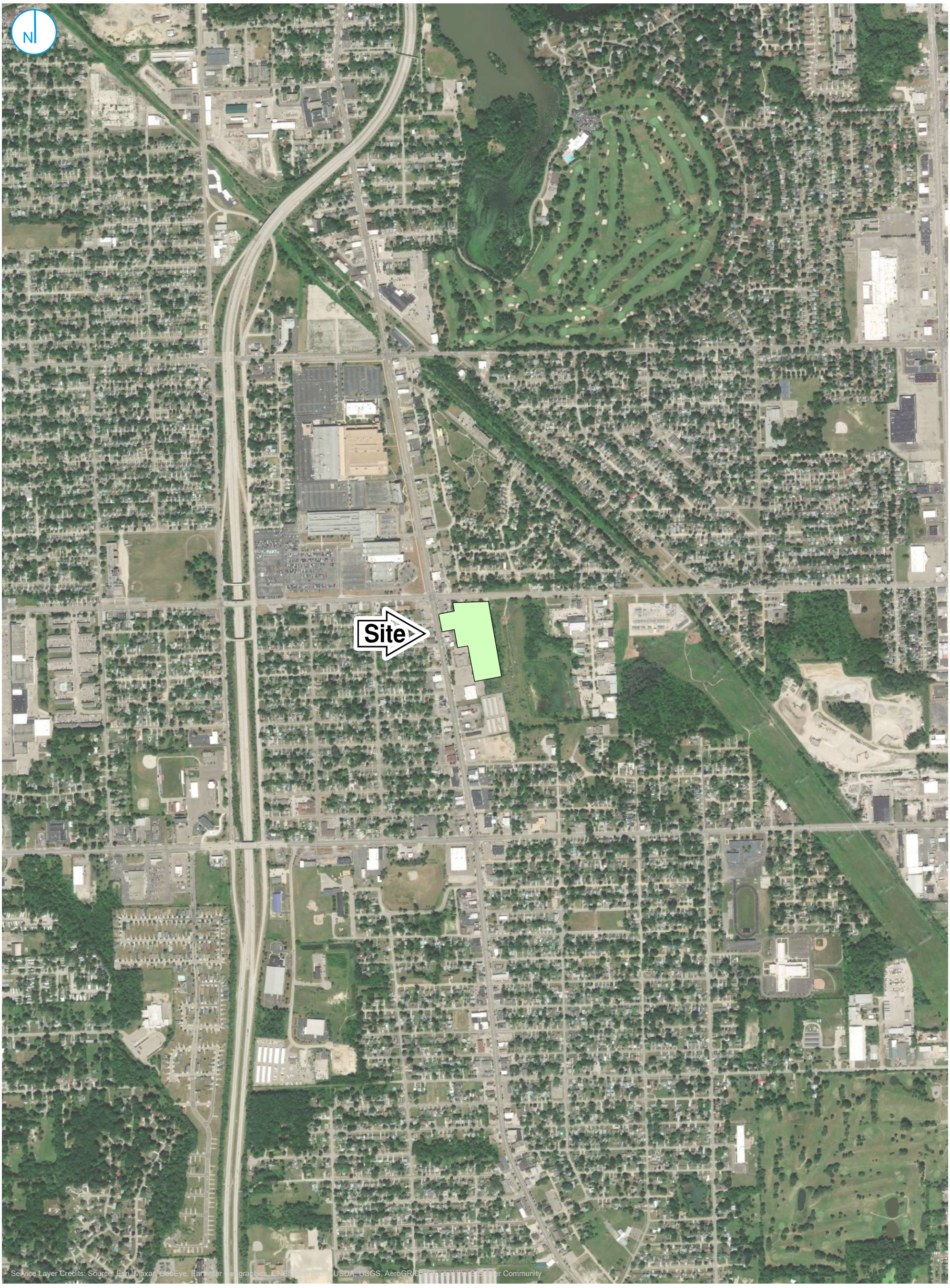
TABLE 4
RACER Trust - Hemphill Road Industrial Land
Groundwater Analytical Results - April 2021

	OFFSITE WELLS										EGLE Part 201 Generic Criteria		EGLE Site Specific Criteria	
Monitoring Well	*OBG OS-MW-1		*OBG OS-MW-2		*OBG OS-MW-3		*OBG OS-MW-4		*OBG OS-MW-5		Residential	Non-Residential	Residential VIAC	Nonresidential VIAC
Sample Date	4/28/2022		4/26/2021		4/28/2022		4/28/2022		4/28/2022		Drinking Water	Drinking Water	GWNIC	GWNIC
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals														
Arsenic	**36**	**31**	**45**	**40**	**19**	**18**	**3**	**3**	<2	<2	10 (A)	10 (A)	--	--
Barium	**855**	**853**	**213**	**212**	**144**	**144**	**1,220**	**1,210**	**2,210**	**2,130**	2,000 (A)	2,000 (A)	--	--
Lead	<3	<3	**7**	<3	<3	<3	<3	<3	<3	<3	4.0 (L)	4.0 (L)	--	--
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)	--	--
Zinc	<5	<5	**14**	<5	**12**	<5	<5	<5	**12**	<5	2,400	5,000 (E)	--	--
VOCs **DO/ORP:**	0.08	-65.8	0.07	-57.6	3.33	-140.0	2.19	-93.3	0.03	-96.6				
Acetone	<50		<50		<50		<50		<50		730	2,100	--	--
Acrylonitrile	<2		<2		<2		<2		<2		2.6	11	--	--
2-Butanone (MEK)	<25		<25		<25		<25		<25		13,000	38,000	--	--
Benzene	<1		<1		<1		<1		<1		5 (A)	5 (A)	1.0 ca	420 ca
n-Butylbenzene	<1		<1		<1		**2**		<1		80	230	44 nc	12,000 (S) sol
Bromobenzene	<1		<1		<1		<1		<1		18	50	--	--
Bromochloromethane	<1		<1		<1		<1		<1		NA	NA	--	--
Bromodichloromethane	<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromoform	<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Bromomethane	<5		<5		<5		<5		<5		10	29	--	--
sec-Butylbenzene	<1		<1		<1		**2**		<1		80	230	270 nc	18,000 (S) sol
tert-Butylbenzene	<1		<1		<1		<1		<1		80	230	7.7E-02 (M) nc	25 nc
Carbon disulfide	<5		<5		<5		<5		<5		800	2,300	--	--
Carbon tetrachloride	<1		<1		<1		<1		<1		5 (A)	5 (A)	--	--
Chlorobenzene	<1		<1		<1		**10**		**8**		100 (A)	100 (A)	--	--
Chloroethane	<5		<5		<5		<5		<5		430	1700	--	--
Chloroform	<1		<1		<1		<1		<1		80 (A,W)	80 (A,W)	--	--
Chloromethane	<5		<5		<5		<5		<5		260	1,100	--	--
1,1-Dichloroethane	<1		<1		<1		<1		<1		880	2,500	4.7 ca	2,000 ca
1,1-Dichloroethene	<1		<1		<1		<1		<1		7 (A)	7 (A)	18 nc	3,200 nc
1,2-Dibromo-3-chloropropane	<5		<5		<5		<5		<5		0.2 (A)	0.2 (A)	--	--
1,2-Dibromomethane	<1		<1		<1		<1		<1		0.05 (A)	0.05 (A)	--	--
1,2-Dichlorobenzene	<1		<1		<1		<1		<1		600 (A)	600 (A)	--	--
1,2-Dichloroethane	<1		<1		<1		<1		<1		5 (A)	5 (A)	1.4 ca	620 ca
1,2-Dichloropropane	<1		<1		<1		<1		<1		5 (A)	5 (A)	--	--
1,3-Dichlorobenzene	<1		<1		<1		<1		<1		6.6	19	--	--
1,4-Dichlorobenzene	<1		<1		<1		**5**		**5**		75 (A)	75 (A)	--	--
cis-1,2-Dichloroethene	<1		<1		<1		<1		<1		70 (A)	70 (A)	3.4 nc	900 nc
cis-1,3-Dichloropropene[3]	<1		<1		<1		<1		<1		8.5	35	--	--
Dibromochloromethane	<5		<5		<5		<5		<5		80 (A,W)	80 (A,W)	--	--
Dibromomethane	<5		<5		<5		<5		<5		80	230	--	--
Dichlorodifluoromethane	<5		<5		<5		<5		<5		1,700	4,800	--	--
Diethyl ether	<10		<10		<10		<10		<10		10 (E)	10 (E)	--	--
trans-1,2-Dichloroethene	<1		<1		<1		<1		<1		100 (A)	100 (A)	13 nc	3,700 nc
trans-1,3-Dichloropropene[3]	<1		<1		<1		<1		<1		8.5	35	--	--
trans-1,4-Dichloro-2-butene	<1		<1		<1		<1		<1		na	na	--	--
Ethlybenzene	<1		<1		<1		<1		<1		74 (E)	74 (E)	2.8 ca	1,400 ca
2-Hexanone	<50		<50		<50		<50		<50		1,000	2,900	--	--
Hexachloroethane	<5		<5		<5		<5		<5		7.3	21	--	--
p-Isopropyltoluene	<5		<5		<5		<5		<5		NA	NA	--	--
Isopropylbenzene	<5		<5		<5		**7**		<5		800	2,300	0.60 (M) ca	300 ca
2-Methylnaphthalene	<5		<5		<5		**49**		<5		260	750	66 nc	24,000 nc
4-Methyl-2-pentanone (MIBK)	<50		<50		<50		<50		<50		1,800	5,200	--	--
tert-Methyl butyl ether (MTBE)	<5		<5		<5		<5		<5		40 (E)	40 (E)	250 ca	1.2E+05 ca
Methyl iodide	<1		<1		<1		<1		<1		NA	NA	--	--
Methylene chloride	<5		<5		<5		<5		<5		5 (A)	5 (A)	--	--
Naphthalene	<5		<5		<5		**9**		<5		520	1500	4.2 (M) ca	2,200 ca
n-Propylbenzene	<1		<1		<1		**12**		**1**		80	230	43 (SE) dev	52,000 (SE) dev
Styrene	<1		<1		<1		<1		<1		100 (A)	100 (A)	--	--
1,1,1,2-Tetrachloroethane	<1		<1		<1		<1		<1		77	320	--	--
1,1,1-Trichloroethane	<1		<1		<1		<1		<1		200 (A)	200 (A)	--	--
1,1,2,2-Tetrachloroethane	<1		<1		<1		<1		<1		8.5	35	--	--
1,1,2-Trichloroethane	<1		<1		<1		<1		<1		5.0 (A)	5.0 (A)	--	--
1,2,3-Trichlorobenzene	<5		<5		<5		<5		<5		NA	NA	43 nc	15,000 nc
1,2,3-Trichloropropane	<1		<1		<1		<1		<1		42	120	--	--
1,2,3-Trimethylbenzene	<1		<1		<1		**2**		<1		NA	NA	--	--
1,2,4-Trichlorobenzene	<5		<5		<5		<5		<5		70 (A)	70 (A)	25 nc	8,300 nc
1,2,4-Trimethylbenzene	<1		<1		<1		**1**		<1		63 (E)	63 (E)	--	--
1,3,5-Trimethylbenzene	<1		<1		<1		<1		<1		72 (E)	72 (E)	18 nc	5,900 nc
Tetrachloroethene	<1		<1		<1		<1		<1		5.0 (A)	5.0 (A)	1.5 (SE) st	1,200 (SE) st
Tetrahydrofuran	<90		<90		<90		<90		<90		95	270	45,000 nc	9.9E+06 nc
Toluene	<1		<1		<1		<1		<1		790 (E)	790 (E)	300 (SE) st	4.2E+05 (SE) st
Trichloroethene	<1		<1		<1		<1		<1		5 (A)	5 (A)	7.3-02 (M)(SE) dev	78 (SE) dev
Trichlorofluoromethane	<1		<1		<1		<1		<1		2,600	7,300	--	--
Vinyl chloride	<1		<1		<1		<1		<1		2.0 (A)	2.0 (A)	0.12 (M) mut	100 ca
o-Xylene[4]	<1		<1		<1		<1		<1		280 (E)	280 (E)	75 nc	23,000 nc
p,m-Xylene[4]	<2		<2		<2		<2		<2		280 (E)	280 (E)	75 nc	23,000 nc

Notes:
Units are µg/L.
* - indicates monitoring well is screened in fill.
Critria are for total 1,3-Dichloropropene, values for cis and trans should be summed and compared against the appropriate criterion.
Critria are for total xylenes, values for p,m- and o- should be summed and compared against the appropriate criterion.
Detections are shown in bold type.
Highlighted value denotes an analytical value that exceeds criteria or a criterion that has been exceeded.
(A) - Criterion is the state of Michigan drinking water standard established pursuant toSection 5 of 1976 PA 399, MCL 325.1005.
(E) - Criterion is the aesthetic drinking water value, as required by Section 20120a(5)of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
(L) - Criteria for lead are derived using a biologically based model, as allowed forunder Section 20120a(9) of the NREPA.
(W) - Concentrations of trihalomethanes in groundwater shall be added together todetermine compliance with the Michigan drinking water standard of 80 ug/L.
'na' - means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

FIGURES



0 500 1,000 2,000 Feet

SITE LOCATION MAP

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

RAMBOLL

MONITORING WELL LOCATION (SCREENED IN FILL)

MONITORING WELL LOCATION (SCREENED IN NATIVE SOIL)

SHALLOW GROUNDWATER ELEVATION CONTOUR

FENCE LINE

APPROXIMATE EXTENT OF WASTE FILL ONSITE

0 50 100 Feet

INTERPRETED SHALLOW GROUNDWATER ELEVATION CONTOURS APRIL 27, 2022

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 02

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

MONITORING WELL LOCATION (SCREENED IN NATIVE SOIL)

DEEP GROUNDWATER ELEVATION CONTOUR

FENCE LINE

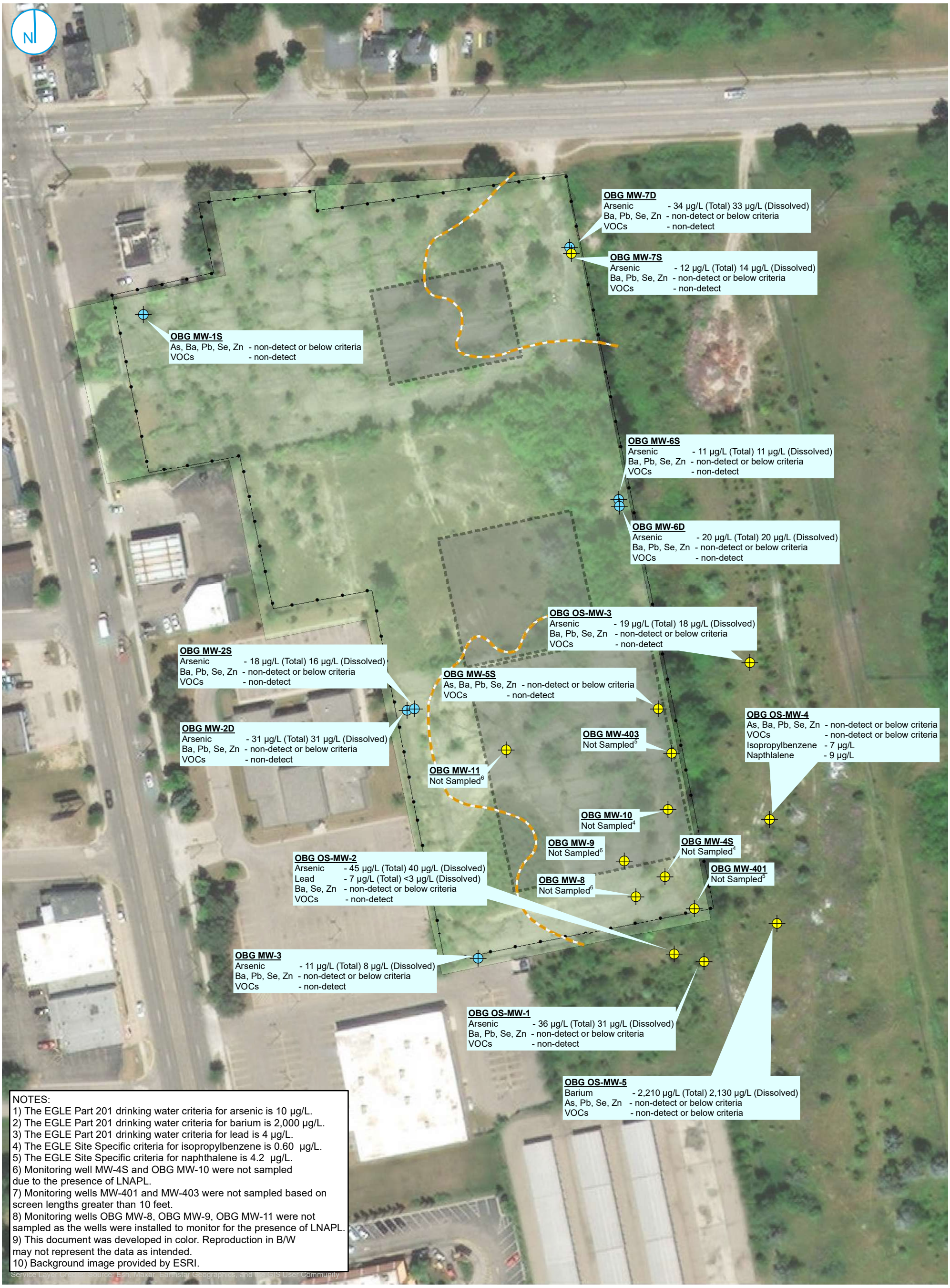
0 50 100 Feet

INTERPRETED DEEP GROUNDWATER ELEVATION CONTOURS APRIL 27, 2022

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 03

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



MONITORING WELL (SCREENED IN NATIVE SOIL)
MONITORING WELL (SCREENED IN FILL)
FENCE LINE
HEMPHILL ROAD INDUSTRIAL LAND
FORMER BUILDING
APPROXIMATE EXTENT OF WASTE FILL ONSITE

0 50 100 Feet

GROUNDWATER ANALYTICAL RESULTS
APRIL 2022

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 04

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

EXHIBIT A
GROUNDWATER SAMPLE LOGS

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Cloudy 30's (°F)
Location	Burton, MI	Well #	OBG MW-1
Project No.	1940102166	Evacuation Method	Peristaltic Pump
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.20	ft.
Depth to Water *	11.78	ft.
Length of Water Column	15.42	ft.
Volume of Water in Well	2.51	gal.(s)
3X Volume of Water in Well	7.54	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 ml/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	12.15	9.79	1.43	4.22	6.16	62.7	11.6
5 min	12.54	8.97	1.43	2.51	7.02	41.6	10.0
10 min	12.75	9.09	1.43	2.48	7.27	36.4	10.0
15 min	12.94	8.55	1.41	2.38	7.39	33.4	9.41
20 min	13.12	7.98	1.42	2.25	7.45	30.4	11.2
25 min	13.21	8.13	1.44	2.13	7.48	27.1	8.49
30 min	13.31	8.46	1.44	2.02	7.46	26.0	7.06
35 min	13.45	8.61	1.41	1.97	7.48	23.5	7.42
40 min							
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 12:38

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	11.6	Turbidity (> 100 NTU)	7.42
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Partly Cloudy 30's (°F)
Location	Burton, MI	Well #	OBG MW-2S
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	20.30	ft.
Depth to Water *	9.03	ft.
Length of Water Column	11.27	ft.
Volume of Water in Well	1.84	gal.(s)
3X Volume of Water in Well	5.51	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 3 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 ml/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity µS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	10.14	10.82	2449.4	7.32	7.66	5.1	18.8
5 min	11.03	9.19	2632.3	2.56	7.44	23.9	16.7
10 min	11.41	9.19	2626.1	2.98	7.42	30.7	14.3
15 min	11.62	9.28	2673.9	3.11	7.41	25.8	13.2
20 min	11.74	8.95	2634.1	2.55	7.41	10.8	12.1
25 min	11.88	8.95	2641.7	2.42	7.40	9.8	11.5
30 min	12.02	9.27	2632.7	2.00	7.39	1.2	9.92
35 min	12.12	9.44	2669.7	2.08	7.37	-4.0	9.35
40 min	12.17	8.95	2660.4	1.69	7.38	-10.0	7.63
45 min	12.33	8.74	2648.5	1.53	7.37	-6.3	7.57
50 min	12.42	8.99	2680.7	1.71	7.37	-10.3	8.17
55 min	12.38	9.17	2618.6	1.69	7.38	-9.3	8.12
60 min	12.53	8.66	2634.9	1.41	7.37	-17.7	7.37
65 min	12.61	8.33	2628.6	1.44	7.39	-6.4	7.73
70 min	12.02	7.99	2663.4	1.39	7.38	-9.6	6.87
75 min	12.54	8.59	2689.0	1.39	7.37	-18.7	6.31
80 min	12.56	8.79	2657.6	1.22	7.36	-13.7	6.15
85 min	12.57	8.97	2642.7	1.1	7.37	-12.9	5.57
90 min	12.74	8.28	2620.6	0.99	7.37	-19.2	
95 min	12.8	8.66	2652.2	0.89	7.36	-21.6	6.81
100 min	12.99	8.66	2648.1	0.81	7.36	-16.7	5.02
105 min	13.04	8.29	2636.8	0.73	7.36	-16.2	5.29
110 min	13.06	8.47	2630.6	0.73	7.35	-14.8	4.68
115 min	13.09	8.76	2629.6	0.81	7.36	-7.8	4.28
120 min	13.10	8.65	2637.2	0.73	7.36	-15.8	4.44

Water Sample:
Time Collected: 15:38

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	18.8	Turbidity (> 100 NTU)	4.44
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes

Notes:
15:30 started purging
Purged for two hours then collected sample

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Sunny 30s (°F)
Location	Burton, MI	Well #	OBG MW-2D
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	38.38	ft.
Depth to Water *	18.18	ft.
Length of Water Column	20.20	ft.
Volume of Water in Well	3.29	gal.(s)
3X Volume of Water in Well	9.88	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 3.0 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	18.43	9.44	1.39	4.74	7.10	192.1	16.0
5 min	18.56	9.89	1.33	2.38	7.25	131.8	12.6
10 min	18.64	9.85	1.40	1.80	7.31	57.0	8.96
15 min	18.67	10.03	1.38	1.65	7.32	35.4	9.88
20 min	18.74	10.48	1.39	1.50	7.34	18.5	8.43
25 min	18.76	10.65	1.39	1.26	7.34	9.8	7.88
30 min	18.78	10.92	1.39	0.99	7.33	-2.7	6.95
35 min	18.81	10.92	1.40	0.88	7.34	-7.4	6.66
40 min	18.84	11.00	1.40	1.17	7.35	-10.7	6.57
45 min	18.84	11.25	1.40	1.05	7.35	-7.8	7.26
50 min	18.88	11.38	1.41	0.93	7.35	-31.1	8.24
55 min	18.67	11.66	1.39	0.80	7.30	-13.5	5.55
60 min	18.83	11.13	1.40	0.91	7.37	-32.0	7.83
65 min	18.92	11.57	1.40	0.95	7.36	-33.7	7.70
70 min	18.93	11.57	1.40	0.81	7.36	-37.8	7.31
75 min	18.95	11.72	1.40	0.62	7.38	-44.6	7.68
80 min	18.96	11.80	1.40	0.70	7.36	-24.4	8.83
85 min	18.97	11.75	1.40	0.58	7.35	-48.1	8.05
90 min	18.99	11.94	1.40	0.67	7.37	-47.1	8.98
95 min	18.98	11.85	1.40	0.62	7.38	-48.6	8.57

Water Sample:
Time Collected: 11:10

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	16.0	Turbidity (> 100 NTU)	8.57
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
9:24 started purging.

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Sunny 30s (°F)
Location	Burton, MI	Well #	OBG MW-3S
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.70	ft.
Depth to Water *	23.03	ft.
Length of Water Column	4.67	ft.
Volume of Water in Well	0.76	gal.(s)
3X Volume of Water in Well	2.28	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	23.05	11.15	4.33	7.99	6.30	-14.0	79.1
5 min	23.05	10.71	4.54	0.21	6.81	-59.7	39.2
10 min	23.05	10.77	4.55	0.12	6.84	-29.9	25.9
15 min	23.05	10.47	4.59	0.09	6.87	-23.0	26.0
20 min	23.05	10.40	4.59	0.08	6.88	-19.5	25.5
25 min	23.05	10.35	4.52	0.11	6.90	-4.9	14.9
30 min	23.05	10.35	4.56	0.11	6.90	-5.6	12.3
35 min	23.05	10.57	4.55	0.13	6.90	-2.9	7.94
40 min	23.05	10.16	4.53	0.16	6.91	2.5	5.65
45 min	23.05	10.30	4.53	0.15	6.91	3.1	6.08
50 min	23.05	10.11	4.57	0.15	6.91	7.2	4.56
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 10:32

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	79.1	Turbidity (> 100 NTU)	4.56
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2022		
Site Name	RACER Hemphill	Weather	Partly Sunny 40s (°F)
Location	Burton, MI	Well #	OBG MW-5S
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	20.30	ft.
Depth to Water *	15.57	ft.
Length of Water Column	4.73	ft.
Volume of Water in Well	0.77	gal.(s)
3X Volume of Water in Well	2.31	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 3 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)		Temperature Celsius (±3%)		Conductivity µS/cm (±3%)		Dissolved Oxygen mg/L (±10% or <0.5)		pH (±0.1 pH units)		ORP mV (±10 millivolts)		Turbidity NTUs (±10% or <5)
initial	16.15	initial	16.91	initial	1831.7	initial	2.62	initial	5.46	initial	-11.3	initial	19.3
5 min	16.34		10.74		2035.9		0.09		6.66		-44.5		19.2
10 min	16.62		10.10		1975.6		0.04		6.62		-25.5		20.9
15 min	16.67		9.92		1946.7		0.02		6.58		-24.5		19.5
20 min	16.73		9.98		1856.8		0.01		6.56		-24.9		
25 min	16.88		9.84		1828.7		0.01		6.54		-24.2		21.2
30 min	16.90		10.08		1745.7		0.02		6.53		-24.6		19.5
35 min	16.95		10.26		1740.2		0.02		6.53		-61.4		13.1
40 min	17.04		10.21		1702.3		0.03		6.52		-37.0		12.5
45 min	17.04		10.19		1663.5		0.05		6.51		-37.6		7.06
50 min	17.05		10.54		1698.2		0.04		6.53		-43.7		5.33
55 min	17.10		10.66		1515.5		0.08		6.53		-49.0		
60 min	17.11		10.68		1487.9		0.10		6.51		-51.7		5.10
65 min	17.12		10.63		1381.9		0.16		6.48		-53.4		3.69
70 min	17.15		10.91		1266.2		0.24		6.48		-95.6		4.68
75 min	17.19		10.95		1130.0		0.35		6.45		-58.6		5.34
80 min	17.20		10.91		991.06		0.61		6.40		-64.1		5.21
85 min	17.20		11.05		852.09		0.82		6.4		-105.9		4.51
90 min	17.20		11.07		762.41		1.08		6.37		-110.5		2.79
95 min	17.10		11.24		672.70		1.19		6.36		-114.6		3.49
100 min	17.06		11.40		585.00		1.40		6.36		-74.8		6.87
105 min	17.06		11.55		502.44		1.59		6.36		-75.0		5.68
110 min	17.02		11.76		456.54		1.70		6.34		-75.0		5.25
115 min	17.02		11.88		409.58		1.87		6.32		-117.5		2.86
120 min	17.02		12.14		378.05		1.96		6.29		-117.4		3.31

Water Sample:
Time Collected: 10:15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	slight petroleum odor	Odor	slight petroleum odor
Turbidity (> 100 NTU)	19.3	Turbidity (> 100 NTU)	3.31
Sheen/Free Product	yes / yes LNAPL at start	Sheen/Free Product	slight sheen LNAPL on probe

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
DUP-042922 Collected
Field bank collected
Purged for two hours then collected sample

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Cloudy, 50's (°F)
Location	Burton, MI	Well #	OBG MW-6S
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	19.19	ft.
Depth to Water *	13.70	ft.
Length of Water Column	5.49	ft.
Volume of Water in Well	0.89	gal.(s)
3X Volume of Water in Well	2.68	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1.5 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	14.25	8.51	1.34	4.08	7.36	45.7	9.89
5 min	14.44	7.84	1.36	3.41	7.34	35.4	8.87
10 min	14.62	8.03	1.35	3.45	7.34	34.2	6.50
15 min	14.90	8.13	1.36	3.22	7.30	31.4	5.84
20 min	15.10	7.84	1.36	3.06	7.30	29.3	9.63
25 min	15.36	8.10	1.36	3.15	7.28	27.3	9.79
30 min	15.65	7.99	1.37	3.14	7.26	13.8	6.92
35 min	15.94	8.27	1.37	2.18	7.25	6.0	8.41
40 min	16.12	8.27	1.36	2.18	7.26	7.9	9.66
45 min	16.36	8.15	1.36	2.00	7.25	9.1	5.61
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 14:04

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	9.89	Turbidity (> 100 NTU)	5.61
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Cloudy, 50's (°F)
Location	Burton, MI	Well #	OBG MW-6D
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	44.40	ft.
Depth to Water *	15.93	ft.
Length of Water Column	28.47	ft.
Volume of Water in Well	4.64	gal.(s)
3X Volume of Water in Well	13.92	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 2 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	16.27	9.22	1.01	6.03	7.77	1.5	8.70
5 min	16.81	10.00	0.88	6.19	8.11	25.1	4.68
10 min	16.91	9.69	0.88	6.50	8.17	27.8	3.44
15 min	17.02	9.41	0.88	6.17	8.20	21.2	2.26
20 min	17.16	9.27	0.89	5.40	8.18	7.9	1.39
25 min							
30 min	17.12	9.08	0.90	5.34	8.17	-17.5	2.04
35 min	17.10	9.42	0.90	5.84	8.14	-25.5	4.95
40 min	17.10	9.60	0.90	5.60	8.11	-41.1	3.55
45 min	17.10	9.83	0.90	5.46	8.11	-52.2	3.28
50 min	17.10	9.97	0.90	5.13	8.08	-73.3	3.60
55 min	17.10	10.15	0.90	5.12	8.09	-75.1	3.70
60 min	17.10	9.79	0.89	5.08	8.10	-77.1	4.00
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 15:22

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	8.30	Turbidity (> 100 NTU)	4.00
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
Collected PFAS Sample

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Cloudy, 30's (°F)
Location	Burton, MI	Well #	OBG MW-7S
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	17.69	ft.
Depth to Water *	7.49	ft.
Length of Water Column	10.20	ft.
Volume of Water in Well	1.66	gal.(s)
3X Volume of Water in Well	4.99	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 2.5 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity µS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	8.66	6.83	1397.4	0.99	6.44	-9.3	235
5 min	9.68	7.36	1374.0	0.36	6.68	-24.0	150
10 min	10.91	7.50	1305.7	0.20	6.73	-64.8	123
15 min	11.78	7.47	1375.6	0.13	6.75	-137.1	135
20 min	12.32	7.51	1367.2	0.07	6.75	-118.0	88.9
25 min	12.69	7.00	1386.8	0.10	6.73	-120.4	89.4
30 min	12.79	6.93	1395.1	0.09	6.71	-123.0	78.9
35 min	12.89	6.97	1407.5	0.09	6.71	-125.2	70.9
40 min	12.81	6.92	1410.7	0.09	6.72	-125.1	65.4
45 min	12.82	6.94	1422.8	0.08	6.71	-125.2	53.3
50 min	12.84	6.96	1436.9	0.07	6.70	-131.1	45.0
55 min	12.82	7.27	1436.4	0.07	6.69	-132.0	35.1
60 min	12.85	7.25	1438.7	0.09	6.68	-175.8	26.5
65 min	12.91	7.13	1438.0	0.09	6.68	-129.3	21.7
70 min	13.02	7.31	1447.1	0.11	6.67	-177.1	20.2
75 min	13.10	7.22	1448.9	0.11	6.67	-174.1	14.5
80 min	13.17	7.22	1446.3	0.12	6.67	-130.1	12.4
85 min	13.24	7.35	1404.4	0.09	6.66	-132.9	13.3
90 min							

Water Sample:
Time Collected: 13:15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Yellowish	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	235 Cloudy with Specks	Turbidity (> 100 NTU)	13.3
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:

Started purging at 11:40

RAMBOLL

Standard Groundwater Sampling Log

Date	4/27/2022		
Site Name	RACER Hemphill	Weather	Cloudy, 30's (°F)
Location	Burton, MI	Well #	OBG MW-7D
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	47.51	ft.
Depth to Water *	10.67	ft.
Length of Water Column	36.84	ft.
Volume of Water in Well	6.00	gal.(s)
3X Volume of Water in Well	18.01	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 2 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity µS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	10.70	7.54	545.94	7.62	7.63	-39.4	27.3
5 min	10.72	7.75	557.85	0.80	7.87	-81.9	15.8
10 min	10.72	7.85	562.72	0.60	7.93	-118.9	10.7
15 min	10.72	8.04	558.66	0.42	7.95	-127.9	8.30
20 min	10.72	7.75	555.56	0.34	7.97	-129.5	6.85
25 min	10.72	7.51	556.74	0.28	7.99	-169.1	6.11
30 min	10.72	7.66	559.78	0.26	8.00	-131.5	5.48
35 min	10.72	8.09	560.95	0.20	7.99	-134.2	5.09
40 min	10.72	8.66	566.41	0.21	7.98	-131.3	5.50
45 min	10.72	7.65	557.04	0.18	8.00	-174.0	4.85
50 min	10.72	8.10	562.39	0.12	8.00	-132.3	3.94
55 min	10.72	8.09	562.26	0.10	8.01	-138.9	3.87
60 min	10.72	8.31	562.34	0.09	8.01	-138.3	3.94
65 min	10.72	8.62	567.36	0.09	7.99	-137.8	3.14
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 15:00

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	27.3	Turbidity (> 100 NTU)	3.14
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:

Started purging at 13:45

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Sunny 40s (°F)
Location	Burton, MI	Well #	OBG OS MW-1
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.14	ft.
Depth to Water *	21.48	ft.
Length of Water Column	8.66	ft.
Volume of Water in Well	1.41	gal.(s)
3X Volume of Water in Well	4.23	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	21.78	17.91	0.92	2.41	6.81	-75.9	33.8
5 min	22.03	12.69	1.02	0.23	6.88	-72.9	23.1
10 min	22.24	12.26	1.02	0.14	6.88	-68.9	17.8
15 min	22.35	11.75	1.03	0.11	6.88	-66.4	20.1
20 min	22.44	11.69	1.03	0.10	6.89	-65.5	19.6
25 min	22.50	11.52	1.03	0.09	6.89	-65.5	20.2
30 min	22.03	11.47	1.04	0.08	6.90	-71.0	19.4
35 min	22.74	11.43	1.04	0.08	6.90	-65.8	19.9
40 min							
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 14:18

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	No	Odor	No
Turbidity (> 100 NTU)	33.8	Turbidity (> 100 NTU)	19.9
Sheen/Free Product	No	Sheen/Free Product	No

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	2	40 ml Glass	HCL	
Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na	1	125 ml Plastic	HNO3	Yes
Total Metals	1	125 ml Plastic	HNO3	

Notes:
Started Purging at 13:30

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Sunny, 40's (°F)
Location	Burton, MI	Well #	OBG OS MW-2
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	WHL	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.21	ft.
Depth to Water *	20.56	ft.
Length of Water Column	9.65	ft.
Volume of Water in Well	1.57	gal.(s)
3X Volume of Water in Well	4.72	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	20.82	16.88	0.84	2.23	0.92	-61.7	52.5
5 min	21.11	12.95	0.90	0.4	6.88	-61.6	32.2
10 min	21.26	12.53	0.91	0.23	6.88	-63.9	31.0
15 min	21.36	12.21	0.91	0.1	6.89	-55.9	29.0
20 min	21.42	12.04	0.92	0.14	6.88	-54.7	25.6
25 min	21.57	12.99	0.92	0.11	6.89	-59.0	26.6
30 min	21.66	12.03	0.91	0.09	6.88	-58.9	18.8
35 min	21.74	12.03	0.92	0.09	6.88	-58.2	19.3
40 min	21.78	12.03	0.92	0.07	6.88	-57.6	17.9
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 15:38

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear/ Some Particles	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	52.5	Turbidity (> 100 NTU)	17.9
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes

Notes:
Started Purging at 14:47

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Mostly Sunny, 50's (°F)
Location	Burton, MI	Well #	OBG OS MW-3
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.29	ft.
Depth to Water *	25.10	ft.
Length of Water Column	5.19	ft.
Volume of Water in Well	0.85	gal.(s)
3X Volume of Water in Well	2.54	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	25.16	12.62	883.31	3.21	7.26	-135.8	5.77
5 min	25.16	12.19	884.97	3.96	7.29	-130.8	2.14
10 min	25.16	12.29	885.84	4.15	7.32	-131.2	2.01
15 min	25.16	12.33	885.35	4.80	7.32	-129.9	
20 min	25.16	12.62	892.11	5.64	7.34	-131.6	5.40
25 min	25.19	12.75	883.88	5.20	7.35	-155.9	3.36
30 min	25.19	12.09	888.69	4.15	7.35	-136.2	
35 min	25.19	12.07	895.99	4.06	7.35	-159.2	2.17
40 min	25.19	12.21	883.43	3.36	7.35	-137.8	3.88
45 min	25.19	12.02	891.23	3.36	7.35	-160.4	3.56
50 min	25.19	12.21	890.01	3.33	7.35	-140.0	4.27
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 14:45

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	5.77	Turbidity (> 100 NTU)	4.27
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Mostly Sunny, 50's (°F)
Location	Burton, MI	Well #	OBG OS MW-4
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.76	ft.
Depth to Water *	24.38	ft.
Length of Water Column	3.38	ft.
Volume of Water in Well	0.55	gal.(s)
3X Volume of Water in Well	1.65	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	24.40	18.20	1735.3	2.50	6.65	-89.9	4.04
5 min	24.40	14.89	1870.9	2.48	6.61	-106.7	2.74
10 min	24.40	13.83	1896.6	2.64	6.62	-93.0	2.35
15 min	24.40	13.37	1908.6	2.56	6.62	-93.7	2.11
20 min	24.40	12.92	1915.5	2.25	6.62	-94.1	2.01
25 min	24.40	12.76	1913.5	2.25	6.62	-108.0	1.52
30 min	24.40	12.64	1921.6	2.25	6.62	-94.3	2.73
35 min	24.40	12.43	1925.7	2.20	6.62	-93.8	1.11
40 min	24.40	12.37	1923.3	2.19	6.62	-93.3	0.98
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 16:00

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Slight yellowish	Color	Slight yellowish
Odor	Slight chemical odor	Odor	Slight chemical odor
Turbidity (> 100 NTU)	4.04	Turbidity (> 100 NTU)	0.98
Sheen/Free Product	Slight sheen	Sheen/Free Product	Slight sheen

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
Started Purging at 15:18

RAMBOLL

Standard Groundwater Sampling Log

Date	4/28/2022		
Site Name	RACER Hemphill	Weather	Mostly Sunny, 50's (°F)
Location	Burton, MI	Well #	OBG OS MW-5
Project No.	1940102166	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	28.15	ft.
Depth to Water *	24.72	ft.
Length of Water Column	3.43	ft.
Volume of Water in Well	0.56	gal.(s)
3X Volume of Water in Well	1.68	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 1 gal.(s)
Did well go dry? No

* Measurements taken from: X Well Casing; Protective Casing; (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters: 100 mL/min pumping rate

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3%)	Conductivity mS/cm (±3%)	Dissolved Oxygen mg/L (±10% or <0.5)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10% or <5)
initial	24.79	17.52	7.09	5.43	6.11	-10.9	20.7
5 min	24.85	14.53	2323.60	0.36	6.43	-96.6	8.77
10 min	24.85	13.49	2316.60	0.21	6.42	-101.4	7.46
15 min	24.85	13.12	2289.90	0.15	6.41	-103.0	4.62
20 min	24.85	13.09	2300.30	0.11	6.39	-92.4	4.35
25 min	24.85	13.07	2239.60	0.07	6.40	-106.8	4.42
30 min	24.85	12.89	2222.40	0.06	6.39	-94.9	3.78
35 min	24.85	12.85	2139.90	0.04	6.38	-108.2	3.43
40 min	24.85	12.94	2122.80	0.03	6.36	-95.7	1.65
45 min	24.85	13.07	2095.30	0.03	6.36	-96.6	1.60
50 min	24.85	13.17	2094.60	0.03	6.35	-96.6	0.59
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 17:22

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Black flecks	Color	Black flecks
Odor	Chemical odor	Odor	Chemical odor
Turbidity (> 100 NTU)	20.7	Turbidity (> 100 NTU)	0.59
Sheen/Free Product	Slight sheen	Sheen/Free Product	Slight sheen

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Total Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
Started Purging at 16:28

EXHIBIT B
GROUNDWATER ANALTICAL DATA

Analytical Laboratory Report

Report ID: S35496.01(01)
Generated on 05/09/2022

Report to

Attention: Clifford Yantz
O'Brien & Gere Engineers, Inc.
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Addtional Contacts: Kevin Schneider

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S35496.01-S35496.19
Project: RACER Hemphill Rd Industrial Land
Collected Date(s): 04/27/2022 - 04/29/2022
Submitted Date/Time: 04/29/2022 14:40
Sampled by: Kevin Schneider
P.O. #: 1940002902

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein, acrylonitrile, and 2-chlorovinylethyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.
Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
N/A	Not Applicable
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003

Sample Summary (19 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S35496.01	OBG MW-1S	Groundwater	04/27/22 12:38
S35496.02	OBG MW-7S	Groundwater	04/27/22 13:15
S35496.03	OBG MW-7D	Groundwater	04/27/22 15:00
S35496.04	OBG MW-6S	Groundwater	04/27/22 14:04
S35496.05	OBG MW-6D	Groundwater	04/27/22 15:22
S35496.06	OBG MW-2S	Groundwater	04/27/22 17:38
S35496.07	OBG MW-3S	Groundwater	04/28/22 10:32
S35496.08	OBG MW-2D	Groundwater	04/28/22 11:10
S35496.09	OBG MW-3	Groundwater	04/28/22 14:45
S35496.10	OBG OS MW-3 MS	Groundwater	04/28/22 14:45
S35496.11	OBG OS MW-3 MSD	Groundwater	04/28/22 14:45
S35496.12	OBG OS MW-4	Groundwater	04/28/22 16:00
S35496.13	OBG OS MW-5	Groundwater	04/28/22 17:22
S35496.14	OBG OS MW-1	Groundwater	04/28/22 14:18
S35496.15	OBG OS MW-2	Groundwater	04/28/22 15:38
S35496.16	Field Blank - 042922	Liquid	04/29/22 08:20
S35496.17	OBG MW-5S	Groundwater	04/29/22 10:15
S35496.18	DUP-042922	Groundwater	04/29/22 00:01
S35496.19	Trip Blank-042922	Liquid	04/29/22 00:01

Lab Sample ID: S35496.01
Sample Tag: OBG MW-1S
Collected Date/Time: 04/27/2022 12:38
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:19, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.177	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:22, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.170	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:10, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.01 (continued)
Sample Tag: OBG MW-1S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:10, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.02
Sample Tag: OBG MW-7S
Collected Date/Time: 04/27/2022 13:15
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:31, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.012	0.002		mg/L	5	7440-38-2	
Barium	0.237	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:34, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.014	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.232	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:33, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.02 (continued)
Sample Tag: OBG MW-7S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:33, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.03
Sample Tag: OBG MW-7D
Collected Date/Time: 04/27/2022 15:00
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:36, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.034	0.002		mg/L	5	7440-38-2	
Barium	0.089	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.006	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:38, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.033	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.092	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:56, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.03 (continued)
Sample Tag: OBG MW-7D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 13:56, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.04
Sample Tag: OBG MW-6S
Collected Date/Time: 04/27/2022 14:04
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:40, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.011	0.002		mg/L	5	7440-38-2	
Barium	0.134	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:42, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.011	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.136	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 14:20, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.04 (continued)
Sample Tag: OBG MW-6S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 14:20, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.05
Sample Tag: OBG MW-6D
Collected Date/Time: 04/27/2022 15:22
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:50, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.020	0.002		mg/L	5	7440-38-2	
Barium	0.072	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:52, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.020	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.069	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 14:43, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.05 (continued)
Sample Tag: OBG MW-6D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 14:43, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.06
Sample Tag: OBG MW-2S
Collected Date/Time: 04/27/2022 17:38
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:54, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.018	0.002		mg/L	5	7440-38-2	
Barium	0.183	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 11:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.016	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.183	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:07, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.06 (continued)
Sample Tag: OBG MW-2S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:07, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.07
Sample Tag: OBG MW-3S
Collected Date/Time: 04/28/2022 10:32
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:59, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.011	0.002		mg/L	5	7440-38-2	
Barium	0.203	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:01, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.008	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.199	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	0.005	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:31, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.07 (continued)
Sample Tag: OBG MW-3S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:31, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.08
Sample Tag: OBG MW-2D
Collected Date/Time: 04/28/2022 11:10
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:03, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.031	0.002		mg/L	5	7440-38-2	
Barium	0.235	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:06, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.031	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.230	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:54, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.08 (continued)
Sample Tag: OBG MW-2D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 15:54, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.09
Sample Tag: OBG MW-3
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:44, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.019	0.002		mg/L	5	7440-38-2	
Barium	0.144	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.012	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.018	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.144	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 12:46, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.09 (continued)
Sample Tag: OBG MW-3

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 12:46, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.10
Sample Tag: OBG OS MW-3 MS
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
4	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:45, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.271	0.002		mg/L	5	7440-38-2	
Barium	0.396	0.005		mg/L	5	7440-39-3	
Lead	0.247	0.003		mg/L	5	7439-92-1	
Selenium	0.254	0.005		mg/L	5	7782-49-2	
Zinc	0.259	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:10, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.283	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.404	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	0.243	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	0.264	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	0.262	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:02, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	49	10		ug/L	1	60-29-7	1
Acetone	76	50		ug/L	1	67-64-1	1
Methyl iodide	52	1		ug/L	1	74-88-4	1
Carbon disulfide	52	5		ug/L	1	75-15-0	1
tert-Methyl butyl ether (MTBE)	57	5		ug/L	1	1634-04-4	1
Acrylonitrile	66	2		ug/L	1	107-13-1	1
2-Butanone (MEK)	72	25		ug/L	1	78-93-3	1
Dichlorodifluoromethane	47	5		ug/L	1	75-71-8	1
Chloromethane	51	5		ug/L	1	74-87-3	1
Vinyl chloride	48	1		ug/L	1	75-01-4	1
Bromomethane	48	5		ug/L	1	74-83-9	1
Chloroethane	47	5		ug/L	1	75-00-3	1
Trichlorofluoromethane	41	1		ug/L	1	75-69-4	1
1,1-Dichloroethene	50	1		ug/L	1	75-35-4	1
Methylene chloride	53	5		ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	51	1		ug/L	1	156-60-5	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.10 (continued)
Sample Tag: OBG OS MW-3 MS

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:02, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethane	51	1		ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	53	1		ug/L	1	156-59-2	1
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	1
Chloroform	52	1		ug/L	1	67-66-3	1
Bromochloromethane	55	1		ug/L	1	74-97-5	1
1,1,1-Trichloroethane	49	1		ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	64	50		ug/L	1	108-10-1	1
2-Hexanone	69	50		ug/L	1	591-78-6	1
Carbon tetrachloride	49	1		ug/L	1	56-23-5	1
Benzene	52	1		ug/L	1	71-43-2	1
1,2-Dichloroethane	52	1		ug/L	1	107-06-2	1
Trichloroethene	51	1		ug/L	1	79-01-6	1
1,2-Dichloropropane	54	1		ug/L	1	78-87-5	1
Bromodichloromethane	55	1		ug/L	1	75-27-4	1
Dibromomethane	57	5		ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	57	1		ug/L	1	10061-01-5	1
Toluene	49	1		ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	58	1		ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	57	1		ug/L	1	79-00-5	1
Tetrachloroethene	48	1		ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	61	1		ug/L	1	110-57-6	1
Dibromochloromethane	54	5		ug/L	1	124-48-1	1
1,2-Dibromoethane	56	1		ug/L	1	106-93-4	1
Chlorobenzene	50	1		ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	51	1		ug/L	1	630-20-6	1
Ethylbenzene	47	1		ug/L	1	100-41-4	1
p,m-Xylene*	94	2		ug/L	1		1
o-Xylene	48	1		ug/L	1	95-47-6	1
Styrene	50	1		ug/L	1	100-42-5	1
Isopropylbenzene	45	5		ug/L	1	98-82-8	1
Bromoform	57	1		ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	58	1		ug/L	1	79-34-5	1
1,2,3-Trichloropropane	57	1		ug/L	1	96-18-4	1
n-Propylbenzene	44	1		ug/L	1	103-65-1	1
Bromobenzene	51	1		ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	44	1		ug/L	1	108-67-8	1
tert-Butylbenzene	42	1		ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	44	1		ug/L	1	95-63-6	1
sec-Butylbenzene	40	1		ug/L	1	135-98-8	1
p-Isopropyltoluene	41	5		ug/L	1	99-87-6	1
1,3-Dichlorobenzene	48	1		ug/L	1	541-73-1	1
1,4-Dichlorobenzene	49	1		ug/L	1	106-46-7	1
1,2-Dichlorobenzene	49	1		ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	46	1		ug/L	1	526-73-8	1
n-Butylbenzene	39	1		ug/L	1	104-51-8	1
Hexachloroethane	44	5		ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	65	5		ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	47	5		ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	48	5		ug/L	1	87-61-6	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.10 (continued)
Sample Tag: OBG OS MW-3 MS

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:02, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Naphthalene	57	5		ug/L	1	91-20-3	1
2-Methylnaphthalene	54	5		ug/L	1	91-57-6	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.11
Sample Tag: OBG OS MW-3 MSD
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
4	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:46, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.275	0.002		mg/L	5	7440-38-2	
Barium	0.396	0.005		mg/L	5	7440-39-3	
Lead	0.237	0.003		mg/L	5	7439-92-1	
Selenium	0.258	0.005		mg/L	5	7782-49-2	
Zinc	0.258	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:12, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.280	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.398	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	0.251	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	0.268	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	0.266	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:25, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	49	10		ug/L	1	60-29-7	1
Acetone	72	50		ug/L	1	67-64-1	1
Methyl iodide	52	1		ug/L	1	74-88-4	1
Carbon disulfide	53	5		ug/L	1	75-15-0	1
tert-Methyl butyl ether (MTBE)	55	5		ug/L	1	1634-04-4	1
Acrylonitrile	65	2		ug/L	1	107-13-1	1
2-Butanone (MEK)	67	25		ug/L	1	78-93-3	1
Dichlorodifluoromethane	49	5		ug/L	1	75-71-8	1
Chloromethane	52	5		ug/L	1	74-87-3	1
Vinyl chloride	47	1		ug/L	1	75-01-4	1
Bromomethane	46	5		ug/L	1	74-83-9	1
Chloroethane	46	5		ug/L	1	75-00-3	1
Trichlorofluoromethane	43	1		ug/L	1	75-69-4	1
1,1-Dichloroethene	50	1		ug/L	1	75-35-4	1
Methylene chloride	53	5		ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	51	1		ug/L	1	156-60-5	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.11 (continued)
Sample Tag: OBG OS MW-3 MSD

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:25, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethane	52	1		ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	53	1		ug/L	1	156-59-2	1
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	1
Chloroform	51	1		ug/L	1	67-66-3	1
Bromochloromethane	53	1		ug/L	1	74-97-5	1
1,1,1-Trichloroethane	51	1		ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	63	50		ug/L	1	108-10-1	1
2-Hexanone	65	50		ug/L	1	591-78-6	1
Carbon tetrachloride	50	1		ug/L	1	56-23-5	1
Benzene	52	1		ug/L	1	71-43-2	1
1,2-Dichloroethane	50	1		ug/L	1	107-06-2	1
Trichloroethene	51	1		ug/L	1	79-01-6	1
1,2-Dichloropropane	53	1		ug/L	1	78-87-5	1
Bromodichloromethane	53	1		ug/L	1	75-27-4	1
Dibromomethane	55	5		ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	56	1		ug/L	1	10061-01-5	1
Toluene	49	1		ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	57	1		ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	55	1		ug/L	1	79-00-5	1
Tetrachloroethene	49	1		ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	61	1		ug/L	1	110-57-6	1
Dibromochloromethane	54	5		ug/L	1	124-48-1	1
1,2-Dibromoethane	56	1		ug/L	1	106-93-4	1
Chlorobenzene	51	1		ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	52	1		ug/L	1	630-20-6	1
Ethylbenzene	49	1		ug/L	1	100-41-4	1
p,m-Xylene*	97	2		ug/L	1		1
o-Xylene	49	1		ug/L	1	95-47-6	1
Styrene	51	1		ug/L	1	100-42-5	1
Isopropylbenzene	47	5		ug/L	1	98-82-8	1
Bromoform	57	1		ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	56	1		ug/L	1	79-34-5	1
1,2,3-Trichloropropane	56	1		ug/L	1	96-18-4	1
n-Propylbenzene	45	1		ug/L	1	103-65-1	1
Bromobenzene	51	1		ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	46	1		ug/L	1	108-67-8	1
tert-Butylbenzene	44	1		ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	46	1		ug/L	1	95-63-6	1
sec-Butylbenzene	41	1		ug/L	1	135-98-8	1
p-Isopropyltoluene	42	5		ug/L	1	99-87-6	1
1,3-Dichlorobenzene	48	1		ug/L	1	541-73-1	1
1,4-Dichlorobenzene	49	1		ug/L	1	106-46-7	1
1,2-Dichlorobenzene	49	1		ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	47	1		ug/L	1	526-73-8	1
n-Butylbenzene	40	1		ug/L	1	104-51-8	1
Hexachloroethane	45	5		ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	63	5		ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	48	5		ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	47	5		ug/L	1	87-61-6	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.11 (continued)
Sample Tag: OBG OS MW-3 MSD

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 10:25, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Naphthalene	56	5		ug/L	1	91-20-3	1
2-Methylnaphthalene	50	5		ug/L	1	91-57-6	1

1-Spiked at 50ug/L

Lab Sample ID: S35496.12
Sample Tag: OBG OS MW-4
Collected Date/Time: 04/28/2022 16:00
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:21, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.003	0.002		mg/L	5	7440-38-2	
Barium	1.22	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:23, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.003	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	1.21	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 16:18, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.12 (continued)
Sample Tag: OBG OS MW-4

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 16:18, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	10	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	7	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	12	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	1	1		ug/L	1	95-63-6	
sec-Butylbenzene	2	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	5	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	2	1		ug/L	1	526-73-8	
n-Butylbenzene	2	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	9	5		ug/L	1	91-20-3	
2-Methylnaphthalene	49	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.13
Sample Tag: OBG OS MW-5
Collected Date/Time: 04/28/2022 17:22
Matrix: Groundwater
COC Reference: 150202

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:26, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	2.21	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.012	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:28, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	2.13	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 16:41, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.13 (continued)
Sample Tag: OBG OS MW-5

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 16:41, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	8	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	1	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	5	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.14
Sample Tag: OBG OS MW-1
Collected Date/Time: 04/28/2022 14:18
Matrix: Groundwater
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:30, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.036	0.002		mg/L	5	7440-38-2	
Barium	0.855	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:32, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.031	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.853	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:05, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.14 (continued)
Sample Tag: OBG OS MW-1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:05, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.15
Sample Tag: OBG OS MW-2
Collected Date/Time: 04/28/2022 15:38
Matrix: Groundwater
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:40, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.045	0.002		mg/L	5	7440-38-2	
Barium	0.213	0.005		mg/L	5	7440-39-3	
Lead	0.007	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.014	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:42, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.040	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.212	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:28, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.15 (continued)
Sample Tag: OBG OS MW-2

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:28, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.16
Sample Tag: Field Blank - 042922
Collected Date/Time: 04/29/2022 08:20
Matrix: Liquid
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 11:16, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002		mg/L	2	7440-38-2	
Barium	Not detected	0.005		mg/L	2	7440-39-3	
Lead	Not detected	0.003		mg/L	2	7439-92-1	
Selenium	Not detected	0.005		mg/L	2	7782-49-2	
Zinc	Not detected	0.005		mg/L	2	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 12:22, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	

Lab Sample ID: S35496.16 (continued)
Sample Tag: Field Blank - 042922

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 12:22, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.17
Sample Tag: OBG MW-5S
Collected Date/Time: 04/29/2022 10:15
Matrix: Groundwater
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:44, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.003	0.002		mg/L	5	7440-38-2	
Barium	1.02	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.006	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:45, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.003	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	1.02	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:51, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.17 (continued)
Sample Tag: OBG MW-5S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 17:51, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.18
Sample Tag: DUP-042922
Collected Date/Time: 04/29/2022 00:01
Matrix: Groundwater
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	4.0	IR
3	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	
Metal Digestion	Completed	SW3015A	05/05/22 10:30	CCM	

Metals

Method: E200.8, Run Date: 05/05/22 12:48, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.004	0.002		mg/L	5	7440-38-2	
Barium	1.04	0.005		mg/L	5	7440-39-3	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.006	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/05/22 12:50, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.003	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	1.01	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	Not detected	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 18:15, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	

Lab Sample ID: S35496.18 (continued)
Sample Tag: DUP-042922

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 18:15, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Lab Sample ID: S35496.19
Sample Tag: Trip Blank-042922
Collected Date/Time: 04/29/2022 00:01
Matrix: Liquid
COC Reference: 145678

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/22 11:00	BML	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 11:59, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	

Lab Sample ID: S35496.19 (continued)
Sample Tag: Trip Blank-042922

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/07/22 11:59, Analyst: JGH (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene*	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID: S35496
Client: OBG02 (O'Brien & Gere Engineers, Inc. - East Lansing, MI)
Project: RACER Hemphill Rd Industrial Land
Submitted: 04/29/2022 14:40 Login User: JRM

Attention: Clifford Yantz
Address: O'Brien & Gere Engineers, Inc.
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.0
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[X] Yes	[ ] No	[ ] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S35496 Submitted: 04/29/2022 14:40

Client: OBG02 (O'Brien & Gere Engineers, Inc. - East Lansing, MI)

Project: RACER Hemphill Rd Industrial Land

Initial Preservation Check: 04/29/2022 16:14 JRM

Preservation Recheck (E200.8): 05/02/2022 08:31 PFD

Attention: Clifford Yantz
Address: O'Brien & Gere Engineers, Inc.
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S35496.01	125ml Plastic HNO3	<2			
S35496.01	125ml Plastic HNO3	<2			
S35496.02	125ml Plastic HNO3	<2			
S35496.02	125ml Plastic HNO3	<2			
S35496.03	125ml Plastic HNO3	<2			
S35496.03	125ml Plastic HNO3	<2			
S35496.04	125ml Plastic HNO3	<2			
S35496.04	125ml Plastic HNO3	<2			
S35496.05	125ml Plastic HNO3	<2			
S35496.05	125ml Plastic HNO3	<2			
S35496.06	125ml Plastic HNO3	<2			
S35496.06	125ml Plastic HNO3	<2			
S35496.07	125ml Plastic HNO3	<2			
S35496.07	125ml Plastic HNO3	<2			
S35496.08	125ml Plastic HNO3	<2			
S35496.08	125ml Plastic HNO3	<2			
S35496.09	125ml Plastic HNO3	<2			
S35496.09	125ml Plastic HNO3	<2			
S35496.10	125ml Plastic HNO3	<2			
S35496.10	125ml Plastic HNO3	<2			
S35496.11	125ml Plastic HNO3	<2			
S35496.11	125ml Plastic HNO3	<2			
S35496.12	125ml Plastic HNO3	5	0.5	<2	Lot# 280251
S35496.12	125ml Plastic HNO3	5	1.0	<2	Lot# 280251
S35496.13	125ml Plastic HNO3	5	1.0	<2	Lot# 280251
S35496.13	125ml Plastic HNO3	<2			
S35496.14	125ml Plastic HNO3	<2			
S35496.14	125ml Plastic HNO3	<2			
S35496.15	125ml Plastic HNO3	<2			

Merit Laboratories Bottle Preservation Check

Lab Set ID: S35496 Submitted: 04/29/2022 14:40

Client: OBG02 (O'Brien & Gere Engineers, Inc. - East Lansing, MI)

Project: RACER Hemphill Rd Industrial Land

Initial Preservation Check: 04/29/2022 16:14 JRM

Preservation Recheck (E200.8): 05/02/2022 08:31 PFD

Attention: Clifford Yantz
Address: O'Brien & Gere Engineers, Inc.
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S35496.15	125ml Plastic HNO3	<2			
S35496.16	125ml Plastic HNO3	<2			
S35496.17	125ml Plastic HNO3	5	0.5	<2	Lot# 280251
S35496.17	125ml Plastic HNO3	5	0.5	<2	Lot# 280251
S35496.18	125ml Plastic HNO3	5	0.5	<2	Lot# 280251
S35496.18	125ml Plastic HNO3	5	0.5	<2	Lot# 280251

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2 150202

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211 P.O. NO.:
E-MAIL ADDRESS: clifford.yantz@ramboll.com; Kevin.Schneider@Ramboll.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS X STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD X LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	DISSOLVED As, Ba, Pb, Se, Zn
35496.01	4/27/22	1238	OBG MW-1S	GW	5		3	2					X	X	X
.02		1315	OBG MW-7S	GW	5		3	2					X	X	X
.03		1500	OBG MW-7D	GW	5		3	2					X	X	X
.04		1404	OBG MW-6S	GW	5		3	2					X	X	X
.05		1522	OBG MW-6D	GW	5		3	2					X	X	X
.06		1738	OBG MW-2S	GW	5		3	2					X	X	X
.07	4/28/22	1037	OBG MW-3S	GW	5		3	2					X	X	X
.08		1110	OBG MW-2D	GW	5		3	2					X	X	X
.09		1445	OBG OS MW-3	GW	5		3	2					X	X	X
.10/.11/.12		1445	OBG OS MW-3 (MS/MSD)	GW	12		8	4					X	X	X
JRM .11 .13		1600	OBG OS MW-4	GW	5		3	2					X	X	X
.12 .14		1722	OBG OS MW-5	GW	5		3	2					X	X	X

Dissolved metals were field filtered

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 4/29/22	TIME 1350
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 4/29/22	TIME 1350
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 4/29/22	TIME 1440
RECEIVED BY: SIGNATURE/ORGANIZATION	Johanna Murray	DATE 4/29/22	TIME 1440

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE — TIME
RECEIVED BY: SIGNATURE/ORGANIZATION — DATE — TIME

SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS
SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS

NOTES: TEMP. ON ARRIVAL 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-4034
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C.O.C. PAGE # 2 OF 2

145678

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: 313-333-0711 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com Kevin.Schneider@Ramboll.com QUOTE NO.: cm

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED: ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS X STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STD X LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	DISSOLVED As, Ba, Pb, Se, Zn	Special Instructions
35496.13	4/28/22	1418	OBG OS MW-1	GW	5		3	2					X	X	X	Dissolved metals were field filtered
15.14 .16	4/28/22	1538	OBG OS MW-2	GW	5		3	2					X	X	X	
16 .15 .17	4/29/22	820	Field Blank-042922	L	4		3	1					X	X		
17 .16 .18	4/29/22	1015	OBG MW-55	GW	5		3	2					X	X	X	
18 .17 .19	4/29/22	—	DUP-042922	GW	5		3	2					X	X	X	
19 .18 .20	4/29/22	—	Trip Blank-042922	L	1	1							X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE	TIME
		4/29/22	1350
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		4/29/22	1715
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		4/29/22	1740
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
Johanna Murray		4/29/22	1440

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL: 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Quality Control Report

Report ID: QC-S35496-01
Generated on 05/11/2022

Report to

Attention: Clifford Yantz
O'Brien & Gere Engineers, Inc.
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories
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Report Summary

Lab Sample ID(s): S35496.01-S35496.19
Project: RACER Hemphill Rd Industrial Land
Submitted Date/Time: 04/29/2022 14:40
Sampled by: Kevin Schneider
P.O. #: 1940002902

QC Report Sections

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S35496.01
Sample Tag: OBG MW-1S
Collected Date/Time: 04/27/2022 12:38
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:19	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:19	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:19	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:19	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:19	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:10	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.02
Sample Tag: OBG MW-7S
Collected Date/Time: 04/27/2022 13:15
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:31	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:31	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:31	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:31	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:31	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:33	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.03
Sample Tag: OBG MW-7D
Collected Date/Time: 04/27/2022 15:00
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:36	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:36	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:36	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:36	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:36	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:56	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.04
Sample Tag: OBG MW-6S
Collected Date/Time: 04/27/2022 14:04
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:40	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:40	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:40	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:40	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:40	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 14:20	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.05

Sample Tag: OBG MW-6D

Collected Date/Time: 04/27/2022 15:22

Matrix: Groundwater

COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:50	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:50	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:50	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:50	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:50	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 14:43	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.06
Sample Tag: OBG MW-2S
Collected Date/Time: 04/27/2022 17:38
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:54	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:54	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:54	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:54	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:54	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:07	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.07

Sample Tag: OBG MW-3S

Collected Date/Time: 04/28/2022 10:32

Matrix: Groundwater

COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:59	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:59	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:59	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:59	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:59	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:31	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.08

Sample Tag: OBG MW-2D

Collected Date/Time: 04/28/2022 11:10

Matrix: Groundwater

COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:03	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:03	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:03	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:03	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:03	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:54	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.09
Sample Tag: OBG MW-3
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:44	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:44	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:44	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:44	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:44	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 12:46	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.10
Sample Tag: OBG OS MW-3 MS
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:45	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:45	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:45	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:45	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:45	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 10:02	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.11
Sample Tag: OBG OS MW-3 MSD
Collected Date/Time: 04/28/2022 14:45
Matrix: Groundwater
COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 11:46	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:46	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:46	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:46	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:46	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 10:25	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.12

Sample Tag: OBG OS MW-4

Collected Date/Time: 04/28/2022 16:00

Matrix: Groundwater

COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:21	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:21	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:21	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:21	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:21	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 16:18	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.13

Sample Tag: OBG OS MW-5

Collected Date/Time: 04/28/2022 17:22

Matrix: Groundwater

COC Reference: 150202

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:26	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:26	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:26	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:26	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:26	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 16:41	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S35496.14
Sample Tag: OBG OS MW-1
Collected Date/Time: 04/28/2022 14:18
Matrix: Groundwater
COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:30	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:30	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:30	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:30	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:30	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:05	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.15

Sample Tag: OBG OS MW-2

Collected Date/Time: 04/28/2022 15:38

Matrix: Groundwater

COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:40	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:40	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:40	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:40	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:40	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:28	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.16

Sample Tag: Field Blank - 042922

Collected Date/Time: 04/29/2022 08:20

Matrix: Liquid

COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic	E200.8	05/05/22 11:16	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 11:16	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 11:16	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 11:16	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 11:16	MT4-22-0505A	MTD-050522-1	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 12:22	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.17
Sample Tag: OBG MW-5S
Collected Date/Time: 04/29/2022 10:15
Matrix: Groundwater
COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:44	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:44	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:44	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:44	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:44	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:51	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.18

Sample Tag: DUP-042922

Collected Date/Time: 04/29/2022 00:01

Matrix: Groundwater

COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/05/22 12:48	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/05/22 12:48	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/05/22 12:48	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/05/22 12:48	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/05/22 12:48	MT4-22-0505A	MTD-050522-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 18:15	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S35496.19

Sample Tag: Trip Blank-042922

Collected Date/Time: 04/29/2022 00:01

Matrix: Liquid

COC Reference: 145678

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 11:59	220507A3	VF220507W2	Yes	BLK/LCS/LCSD/MS/MS

Metals, Prep Batch ID: MTD-050522-1

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.01	Arsenic, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A
S35496.01	Arsenic	E200.8	05/05/22 11:19	MT4-22-0505A
S35496.01	Barium, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A
S35496.01	Barium	E200.8	05/05/22 11:19	MT4-22-0505A
S35496.01	Lead, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A
S35496.01	Lead	E200.8	05/05/22 11:19	MT4-22-0505A
S35496.01	Selenium, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A
S35496.01	Selenium	E200.8	05/05/22 11:19	MT4-22-0505A
S35496.01	Zinc, Dissolved	E200.8	05/05/22 11:22	MT4-22-0505A
S35496.01	Zinc	E200.8	05/05/22 11:19	MT4-22-0505A
S35496.02	Arsenic, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A
S35496.02	Arsenic	E200.8	05/05/22 11:31	MT4-22-0505A
S35496.02	Barium, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A
S35496.02	Barium	E200.8	05/05/22 11:31	MT4-22-0505A
S35496.02	Lead, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A
S35496.02	Lead	E200.8	05/05/22 11:31	MT4-22-0505A
S35496.02	Selenium, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A
S35496.02	Selenium	E200.8	05/05/22 11:31	MT4-22-0505A
S35496.02	Zinc, Dissolved	E200.8	05/05/22 11:34	MT4-22-0505A
S35496.02	Zinc	E200.8	05/05/22 11:31	MT4-22-0505A
S35496.03	Arsenic, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A
S35496.03	Arsenic	E200.8	05/05/22 11:36	MT4-22-0505A
S35496.03	Barium, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A
S35496.03	Barium	E200.8	05/05/22 11:36	MT4-22-0505A
S35496.03	Lead, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A
S35496.03	Lead	E200.8	05/05/22 11:36	MT4-22-0505A
S35496.03	Selenium, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A
S35496.03	Selenium	E200.8	05/05/22 11:36	MT4-22-0505A
S35496.03	Zinc, Dissolved	E200.8	05/05/22 11:38	MT4-22-0505A
S35496.03	Zinc	E200.8	05/05/22 11:36	MT4-22-0505A
S35496.04	Arsenic, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A
S35496.04	Arsenic	E200.8	05/05/22 11:40	MT4-22-0505A
S35496.04	Barium, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A
S35496.04	Barium	E200.8	05/05/22 11:40	MT4-22-0505A
S35496.04	Lead, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A
S35496.04	Lead	E200.8	05/05/22 11:40	MT4-22-0505A
S35496.04	Selenium, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A
S35496.04	Selenium	E200.8	05/05/22 11:40	MT4-22-0505A
S35496.04	Zinc, Dissolved	E200.8	05/05/22 11:42	MT4-22-0505A
S35496.04	Zinc	E200.8	05/05/22 11:40	MT4-22-0505A
S35496.05	Arsenic, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A
S35496.05	Arsenic	E200.8	05/05/22 11:50	MT4-22-0505A
S35496.05	Barium, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A
S35496.05	Barium	E200.8	05/05/22 11:50	MT4-22-0505A
S35496.05	Lead, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A
S35496.05	Lead	E200.8	05/05/22 11:50	MT4-22-0505A
S35496.05	Selenium, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A
S35496.05	Selenium	E200.8	05/05/22 11:50	MT4-22-0505A
S35496.05	Zinc, Dissolved	E200.8	05/05/22 11:52	MT4-22-0505A
S35496.05	Zinc	E200.8	05/05/22 11:50	MT4-22-0505A

Metals, Prep Batch ID: MTD-050522-1 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.06	Arsenic, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A
S35496.06	Arsenic	E200.8	05/05/22 11:54	MT4-22-0505A
S35496.06	Barium, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A
S35496.06	Barium	E200.8	05/05/22 11:54	MT4-22-0505A
S35496.06	Lead, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A
S35496.06	Lead	E200.8	05/05/22 11:54	MT4-22-0505A
S35496.06	Selenium, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A
S35496.06	Selenium	E200.8	05/05/22 11:54	MT4-22-0505A
S35496.06	Zinc, Dissolved	E200.8	05/05/22 11:56	MT4-22-0505A
S35496.06	Zinc	E200.8	05/05/22 11:54	MT4-22-0505A
S35496.07	Arsenic, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A
S35496.07	Arsenic	E200.8	05/05/22 11:59	MT4-22-0505A
S35496.07	Barium, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A
S35496.07	Barium	E200.8	05/05/22 11:59	MT4-22-0505A
S35496.07	Lead, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A
S35496.07	Lead	E200.8	05/05/22 11:59	MT4-22-0505A
S35496.07	Selenium, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A
S35496.07	Selenium	E200.8	05/05/22 11:59	MT4-22-0505A
S35496.07	Zinc, Dissolved	E200.8	05/05/22 12:01	MT4-22-0505A
S35496.07	Zinc	E200.8	05/05/22 11:59	MT4-22-0505A
S35496.08	Arsenic, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A
S35496.08	Arsenic	E200.8	05/05/22 12:03	MT4-22-0505A
S35496.08	Barium, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A
S35496.08	Barium	E200.8	05/05/22 12:03	MT4-22-0505A
S35496.08	Lead, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A
S35496.08	Lead	E200.8	05/05/22 12:03	MT4-22-0505A
S35496.08	Selenium, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A
S35496.08	Selenium	E200.8	05/05/22 12:03	MT4-22-0505A
S35496.08	Zinc, Dissolved	E200.8	05/05/22 12:06	MT4-22-0505A
S35496.08	Zinc	E200.8	05/05/22 12:03	MT4-22-0505A
S35496.09	Arsenic, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A
S35496.09	Arsenic	E200.8	05/05/22 11:44	MT4-22-0505A
S35496.09	Barium, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A
S35496.09	Barium	E200.8	05/05/22 11:44	MT4-22-0505A
S35496.09	Lead, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A
S35496.09	Lead	E200.8	05/05/22 11:44	MT4-22-0505A
S35496.09	Selenium, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A
S35496.09	Selenium	E200.8	05/05/22 11:44	MT4-22-0505A
S35496.09	Zinc, Dissolved	E200.8	05/05/22 12:08	MT4-22-0505A
S35496.09	Zinc	E200.8	05/05/22 11:44	MT4-22-0505A
S35496.10	Arsenic, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A
S35496.10	Arsenic	E200.8	05/05/22 11:45	MT4-22-0505A
S35496.10	Barium, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A
S35496.10	Barium	E200.8	05/05/22 11:45	MT4-22-0505A
S35496.10	Lead, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A
S35496.10	Lead	E200.8	05/05/22 11:45	MT4-22-0505A
S35496.10	Selenium, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A
S35496.10	Selenium	E200.8	05/05/22 11:45	MT4-22-0505A
S35496.10	Zinc, Dissolved	E200.8	05/05/22 12:10	MT4-22-0505A

Metals, Prep Batch ID: MTD-050522-1 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.10	Zinc	E200.8	05/05/22 11:45	MT4-22-0505A
S35496.11	Arsenic, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A
S35496.11	Arsenic	E200.8	05/05/22 11:46	MT4-22-0505A
S35496.11	Barium, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A
S35496.11	Barium	E200.8	05/05/22 11:46	MT4-22-0505A
S35496.11	Lead, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A
S35496.11	Lead	E200.8	05/05/22 11:46	MT4-22-0505A
S35496.11	Selenium, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A
S35496.11	Selenium	E200.8	05/05/22 11:46	MT4-22-0505A
S35496.11	Zinc, Dissolved	E200.8	05/05/22 12:12	MT4-22-0505A
S35496.11	Zinc	E200.8	05/05/22 11:46	MT4-22-0505A
S35496.16	Arsenic	E200.8	05/05/22 11:16	MT4-22-0505A
S35496.16	Barium	E200.8	05/05/22 11:16	MT4-22-0505A
S35496.16	Lead	E200.8	05/05/22 11:16	MT4-22-0505A
S35496.16	Selenium	E200.8	05/05/22 11:16	MT4-22-0505A
S35496.16	Zinc	E200.8	05/05/22 11:16	MT4-22-0505A

Metals, Prep Batch ID: MTD-050522-2

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.12	Arsenic, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A
S35496.12	Arsenic	E200.8	05/05/22 12:21	MT4-22-0505A
S35496.12	Barium, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A
S35496.12	Barium	E200.8	05/05/22 12:21	MT4-22-0505A
S35496.12	Lead, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A
S35496.12	Lead	E200.8	05/05/22 12:21	MT4-22-0505A
S35496.12	Selenium, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A
S35496.12	Selenium	E200.8	05/05/22 12:21	MT4-22-0505A
S35496.12	Zinc, Dissolved	E200.8	05/05/22 12:23	MT4-22-0505A
S35496.12	Zinc	E200.8	05/05/22 12:21	MT4-22-0505A
S35496.13	Arsenic, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A
S35496.13	Arsenic	E200.8	05/05/22 12:26	MT4-22-0505A
S35496.13	Barium, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A
S35496.13	Barium	E200.8	05/05/22 12:26	MT4-22-0505A
S35496.13	Lead, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A
S35496.13	Lead	E200.8	05/05/22 12:26	MT4-22-0505A
S35496.13	Selenium, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A
S35496.13	Selenium	E200.8	05/05/22 12:26	MT4-22-0505A
S35496.13	Zinc, Dissolved	E200.8	05/05/22 12:28	MT4-22-0505A
S35496.13	Zinc	E200.8	05/05/22 12:26	MT4-22-0505A
S35496.14	Arsenic, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A
S35496.14	Arsenic	E200.8	05/05/22 12:30	MT4-22-0505A
S35496.14	Barium, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A
S35496.14	Barium	E200.8	05/05/22 12:30	MT4-22-0505A
S35496.14	Lead, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A
S35496.14	Lead	E200.8	05/05/22 12:30	MT4-22-0505A
S35496.14	Selenium, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A
S35496.14	Selenium	E200.8	05/05/22 12:30	MT4-22-0505A
S35496.14	Zinc, Dissolved	E200.8	05/05/22 12:32	MT4-22-0505A

Metals, Prep Batch ID: MTD-050522-2 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.14	Zinc	E200.8	05/05/22 12:30	MT4-22-0505A
S35496.15	Arsenic, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A
S35496.15	Arsenic	E200.8	05/05/22 12:40	MT4-22-0505A
S35496.15	Barium, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A
S35496.15	Barium	E200.8	05/05/22 12:40	MT4-22-0505A
S35496.15	Lead, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A
S35496.15	Lead	E200.8	05/05/22 12:40	MT4-22-0505A
S35496.15	Selenium, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A
S35496.15	Selenium	E200.8	05/05/22 12:40	MT4-22-0505A
S35496.15	Zinc, Dissolved	E200.8	05/05/22 12:42	MT4-22-0505A
S35496.15	Zinc	E200.8	05/05/22 12:40	MT4-22-0505A
S35496.17	Arsenic, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A
S35496.17	Arsenic	E200.8	05/05/22 12:44	MT4-22-0505A
S35496.17	Barium, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A
S35496.17	Barium	E200.8	05/05/22 12:44	MT4-22-0505A
S35496.17	Lead, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A
S35496.17	Lead	E200.8	05/05/22 12:44	MT4-22-0505A
S35496.17	Selenium, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A
S35496.17	Selenium	E200.8	05/05/22 12:44	MT4-22-0505A
S35496.17	Zinc, Dissolved	E200.8	05/05/22 12:45	MT4-22-0505A
S35496.17	Zinc	E200.8	05/05/22 12:44	MT4-22-0505A
S35496.18	Arsenic, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A
S35496.18	Arsenic	E200.8	05/05/22 12:48	MT4-22-0505A
S35496.18	Barium, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A
S35496.18	Barium	E200.8	05/05/22 12:48	MT4-22-0505A
S35496.18	Lead, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A
S35496.18	Lead	E200.8	05/05/22 12:48	MT4-22-0505A
S35496.18	Selenium, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A
S35496.18	Selenium	E200.8	05/05/22 12:48	MT4-22-0505A
S35496.18	Zinc, Dissolved	E200.8	05/05/22 12:50	MT4-22-0505A
S35496.18	Zinc	E200.8	05/05/22 12:48	MT4-22-0505A

Organics - Volatiles, Prep Batch ID: VF220507W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.01	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:10	220507A3
S35496.02	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:33	220507A3
S35496.03	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 13:56	220507A3
S35496.04	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 14:20	220507A3
S35496.05	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 14:43	220507A3
S35496.06	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:07	220507A3
S35496.07	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:31	220507A3
S35496.08	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 15:54	220507A3
S35496.09	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 12:46	220507A3
S35496.10	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 10:02	220507A3
S35496.11	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 10:25	220507A3
S35496.12	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 16:18	220507A3
S35496.13	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 16:41	220507A3
S35496.14	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:05	220507A3

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S35496.15	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:28	220507A3
S35496.16	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 12:22	220507A3
S35496.17	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 17:51	220507A3
S35496.18	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 18:15	220507A3
S35496.19	Volatile Organics - DEQ List	SW5030C/8260C	05/07/22 11:59	220507A3

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.01

Sample Tag: OBG MW-1S

Collected Date/Time: 04/27/2022 12:38

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 13:10, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**102.2**	80.0	124.0
1,2-Dichloroethane-D4		**99.6**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.02

Sample Tag: OBG MW-7S

Collected Date/Time: 04/27/2022 13:15

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 13:33, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**98.2**	80.0	124.0
1,2-Dichloroethane-D4		**94.0**	72.0	125.0
Toluene-D8		**96.6**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.03

Sample Tag: OBG MW-7D

Collected Date/Time: 04/27/2022 15:00

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 13:56, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**100.2**	80.0	124.0
1,2-Dichloroethane-D4		**96.6**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.04

Sample Tag: OBG MW-6S

Collected Date/Time: 04/27/2022 14:04

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 14:20, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**100.6**	80.0	124.0
1,2-Dichloroethane-D4		**99.8**	72.0	125.0
Toluene-D8		**98.6**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.05

Sample Tag: OBG MW-6D

Collected Date/Time: 04/27/2022 15:22

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 14:43, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**99.8**	80.0	124.0
1,2-Dichloroethane-D4		**97.8**	72.0	125.0
Toluene-D8		**97.4**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.06

Sample Tag: OBG MW-2S

Collected Date/Time: 04/27/2022 17:38

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 15:07, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**100.0**	80.0	124.0
1,2-Dichloroethane-D4		**94.4**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.07

Sample Tag: OBG MW-3S

Collected Date/Time: 04/28/2022 10:32

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 15:31, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**102.2**	80.0	124.0
1,2-Dichloroethane-D4		**101.4**	72.0	125.0
Toluene-D8		**96.8**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.08

Sample Tag: OBG MW-2D

Collected Date/Time: 04/28/2022 11:10

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 15:54, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**93.2**	80.0	124.0
1,2-Dichloroethane-D4		**97.4**	72.0	125.0
Toluene-D8		**98.2**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.09

Sample Tag: OBG MW-3

Collected Date/Time: 04/28/2022 14:45

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 12:46, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**100.6**	80.0	124.0
1,2-Dichloroethane-D4		**93.4**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.12

Sample Tag: OBG OS MW-4

Collected Date/Time: 04/28/2022 16:00

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 16:18, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**101.0**	80.0	124.0
1,2-Dichloroethane-D4		**98.8**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.13

Sample Tag: OBG OS MW-5

Collected Date/Time: 04/28/2022 17:22

Matrix: Groundwater

COC Reference: 150202

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 16:41, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**98.2**	80.0	124.0
1,2-Dichloroethane-D4		**89.6**	72.0	125.0
Toluene-D8		**97.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.14

Sample Tag: OBG OS MW-1

Collected Date/Time: 04/28/2022 14:18

Matrix: Groundwater

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 17:05, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**99.0**	80.0	124.0
1,2-Dichloroethane-D4		**93.2**	72.0	125.0
Toluene-D8		**97.6**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.15

Sample Tag: OBG OS MW-2

Collected Date/Time: 04/28/2022 15:38

Matrix: Groundwater

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 17:28, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**93.2**	80.0	124.0
1,2-Dichloroethane-D4		**95.2**	72.0	125.0
Toluene-D8		**98.4**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.16

Sample Tag: Field Blank - 042922

Collected Date/Time: 04/29/2022 08:20

Matrix: Liquid

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 12:22, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**102.4**	80.0	124.0
1,2-Dichloroethane-D4		**97.8**	72.0	125.0
Toluene-D8		**98.2**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.17

Sample Tag: OBG MW-5S

Collected Date/Time: 04/29/2022 10:15

Matrix: Groundwater

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 17:51, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**97.6**	80.0	124.0
1,2-Dichloroethane-D4		**94.8**	72.0	125.0
Toluene-D8		**97.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.18

Sample Tag: DUP-042922

Collected Date/Time: 04/29/2022 00:01

Matrix: Groundwater

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 18:15, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**98.2**	80.0	124.0
1,2-Dichloroethane-D4		**91.0**	72.0	125.0
Toluene-D8		**97.0**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S35496.19

Sample Tag: Trip Blank-042922

Collected Date/Time: 04/29/2022 00:01

Matrix: Liquid

COC Reference: 145678

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 220507A3, Run Date: 05/07/2022 11:59, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**98.4**	80.0	124.0
1,2-Dichloroethane-D4		**95.8**	72.0	125.0
Toluene-D8		**97.8**	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF220507W2

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: 220507A3.BLKW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 11:36, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**99.8**	80.0	124.0
1,2-Dichloroethane-D4		**95.6**	72.0	125.0
Toluene-D8		**97.6**	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:16, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**101.8**	80.0	124.0
1,2-Dichloroethane-D4		**96.0**	72.0	125.0
Toluene-D8		**97.8**	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 220507A3.LCSDW07A, Parent Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:39, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.6**	80.0	124.0
1,2-Dichloroethane-D4		**97.0**	72.0	125.0
Toluene-D8		**97.8**	89.0	112.0

Matrix Spike (MS)

Lab Sample ID: 220507A3.3549610M, Parent Sample ID: S35496.09

Run in Batch: 220507A3, Run Date: 05/07/2022 10:02, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**101.6**	80.0	124.0
1,2-Dichloroethane-D4		**96.8**	72.0	125.0
Toluene-D8		**97.6**	89.0	112.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 220507A3.3549611N, Parent Sample ID: 220507A3.3549610M

Run in Batch: 220507A3, Run Date: 05/07/2022 10:25, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**103.2**	80.0	124.0
1,2-Dichloroethane-D4		**91.8**	72.0	125.0
Toluene-D8		**98.0**	89.0	112.0

Metals, Prep Batch ID: MTD-050522-1

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Blank (BLK)

Lab Sample ID: MT4-22-0505A.018.LRB

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 11:13, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Barium		ND	0.001	mg/L
Lead		ND	0.0006	mg/L
Selenium		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-22-0505A.017.LCS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 11:11, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		100	85	115
Barium		99	85	115
Lead		99	85	115
Selenium		102	85	115
Zinc		101	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-22-0505A.038.MS, Parent Sample ID: S35496.09

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 11:45, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		101	75	125
Barium		101	75	125
Lead		99	75	125
Selenium		102	75	125
Zinc		99	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-22-0505A.059.MS, Parent Sample ID: S35496.09

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:10, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		106	75	125
Barium		104	75	125
Lead		97	75	125
Selenium		106	75	125
Zinc		105	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-22-0505A.039.MSD, Parent Sample ID: MT4-22-0505A.038.MS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 11:46, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		102	75	125	1	20
Barium		101	75	125	0	20
Lead		95	75	125	4	20
Selenium		103	75	125	2	20
Zinc		98	75	125	0	20

Metals, Prep Batch ID: MTD-050522-1 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-22-0505A.060.MSD, Parent Sample ID: MT4-22-0505A.059.MS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:12, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		105	75	125	1	20
Barium		102	75	125	1	20
Lead		100	75	125	3	20
Selenium		107	75	125	2	20
Zinc		106	75	125	2	20

Metals, Prep Batch ID: MTD-050522-2

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Blank (BLK)

Lab Sample ID: MT4-22-0505A.064.LRB

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:20, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Barium		ND	0.001	mg/L
Lead		ND	0.0006	mg/L
Selenium		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-22-0505A.063.LCS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:16, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		101	85	115
Barium		101	85	115
Lead		100	85	115
Selenium		102	85	115
Zinc		102	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-22-0505A.077.MS, Parent Sample ID: S35496.14

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:35, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		101	75	125
Barium		99	75	125
Lead		100	75	125
Selenium		104	75	125
Zinc		106	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-22-0505A.092.MS, Parent Sample ID: S35496.18

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:52, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		104	75	125
Barium		92	75	125
Lead		96	75	125
Selenium		104	75	125
Zinc		104	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-22-0505A.078.MSD, Parent Sample ID: MT4-22-0505A.077.MS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:36, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		102	75	125	0	20
Barium		83	75	125	4	20
Lead		98	75	125	2	20
Selenium		102	75	125	2	20
Zinc		104	75	125	2	20

Metals, Prep Batch ID: MTD-050522-2 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-22-0505A.093.MSD, Parent Sample ID: MT4-22-0505A.092.MS

Run in Batch: MT4-22-0505A, Run Date: 05/05/2022 12:53, Prep Date: 05/05/2022, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		105	75	125	1	20
Barium		104	75	125	2	20
Lead		98	75	125	2	20
Selenium		107	75	125	3	20
Zinc		105	75	125	0	20

Organics - Volatiles, Prep Batch ID: VF220507W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: 220507A3.BLKW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 11:36, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Diethyl ether		ND	1.00	ug/l
Acetone		ND	10.00	ug/l
Methyl iodide		ND	1.00	ug/l
Carbon disulfide		ND	1.00	ug/l
tert-Methyl butyl ether (MTBE)		ND	1.00	ug/l
Acrylonitrile		ND	1.00	ug/l
2-Butanone (MEK)		ND	10.00	ug/l
Dichlorodifluoromethane		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
cis-1,2-Dichloroethene		ND	1.00	ug/l
Tetrahydrofuran		ND	10.00	ug/l
Chloroform		ND	1.00	ug/l
Bromochloromethane		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10.00	ug/l
2-Hexanone		ND	10.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
Dibromomethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
trans-1,4-Dichloro-2-butene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
1,2-Dibromoethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
1,1,1,2-Tetrachloroethane		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
p,m-Xylene		ND	1.00	ug/l
o-Xylene		ND	1.00	ug/l
Styrene		ND	1.00	ug/l
Isopropylbenzene		ND	1.00	ug/l

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK) (continued)

Lab Sample ID: 220507A3.BLKW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 11:36, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,2,3-Trichloropropane		ND	1.00	ug/l
n-Propylbenzene		ND	1.00	ug/l
Bromobenzene		ND	1.00	ug/l
1,3,5-Trimethylbenzene		ND	1.00	ug/l
tert-Butylbenzene		ND	1.00	ug/l
1,2,4-Trimethylbenzene		ND	1.00	ug/l
sec-Butylbenzene		ND	1.00	ug/l
p-Isopropyltoluene		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l
1,2,3-Trimethylbenzene		ND	1.00	ug/l
n-Butylbenzene		ND	1.00	ug/l
Hexachloroethane		ND	1.00	ug/l
1,2-Dibromo-3-chloropropane		ND	1.00	ug/l
1,2,4-Trichlorobenzene		ND	1.00	ug/l
1,2,3-Trichlorobenzene		ND	1.00	ug/l
Naphthalene		ND	1.00	ug/l
2-Methylnaphthalene		ND	1.00	ug/l

Laboratory Control Sample (LCS)

Lab Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:16, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		92.3	67.4	121.2
Acetone		131.6	29.9	161.5
Methyl iodide		101.5	68.8	116.4
Carbon disulfide		100.9	63.8	137.4
tert-Methyl butyl ether (MTBE)		107.2	73.2	122.4
Acrylonitrile		121.3	69.9	128.9
2-Butanone (MEK)		123.2	44.0	134.4
Dichlorodifluoromethane		92.9	10.0	222.8
Chloromethane		99.9	23.8	166.5
Vinyl chloride		91.6	43.5	149.1
Bromomethane		92.4	56.8	151.3
Chloroethane		92.4	53.4	149.4
Trichlorofluoromethane		78.9	59.7	151.8
1,1-Dichloroethene		94.4	69.6	139.4
Methylene chloride		103.4	73.3	121.1
trans-1,2-Dichloroethene		98.5	73.6	129.3
1,1-Dichloroethane		97.9	71.5	126.2
cis-1,2-Dichloroethene		101.3	76.6	122.1
Tetrahydrofuran	*	126.6	59.0	117.9
Chloroform		98.7	78.4	124.0

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:16, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		103.9	78.2	120.8
1,1,1-Trichloroethane		94.1	79.4	130.9
4-Methyl-2-pentanone (MIBK)		115.6	71.6	125.2
2-Hexanone		120.6	55.4	136.9
Carbon tetrachloride		93.4	72.6	133.0
Benzene		100.1	79.9	124.9
1,2-Dichloroethane		100.6	76.0	126.3
Trichloroethene		97.6	79.7	124.2
1,2-Dichloropropane		103.1	78.6	126.4
Bromodichloromethane		105.0	80.4	128.2
Dibromomethane		107.7	76.9	122.1
cis-1,3-Dichloropropene		110.1	79.8	129.9
Toluene		94.4	79.8	124.5
trans-1,3-Dichloropropene		111.0	74.0	131.3
1,1,2-Trichloroethane		106.9	78.7	123.1
Tetrachloroethene		93.4	74.5	124.5
trans-1,4-Dichloro-2-butene		108.9	68.6	135.4
Dibromochloromethane		102.5	74.6	127.2
1,2-Dibromoethane		106.9	70.3	133.7
Chlorobenzene		97.6	79.2	122.7
1,1,1,2-Tetrachloroethane		100.5	80.3	128.2
Ethylbenzene		92.0	79.5	129.1
p,m-Xylene		91.4	79.4	132.2
o-Xylene		93.3	80.2	131.0
Styrene		98.3	69.5	126.7
Isopropylbenzene		88.5	74.4	121.5
Bromoform		107.0	69.4	128.0
1,1,2,2-Tetrachloroethane		102.4	79.8	126.3
1,2,3-Trichloropropane		102.8	78.3	138.8
n-Propylbenzene		82.4	82.0	130.7
Bromobenzene		94.8	78.7	124.6
1,3,5-Trimethylbenzene		85.6	81.3	128.9
tert-Butylbenzene	*	75.7	80.7	128.9
1,2,4-Trimethylbenzene	*	80.2	81.4	130.8
sec-Butylbenzene	*	72.5	77.4	129.8
p-Isopropyltoluene	*	76.4	79.8	137.5
1,3-Dichlorobenzene		88.6	77.0	131.3
1,4-Dichlorobenzene		91.6	20.7	137.7
1,2-Dichlorobenzene		96.0	10.0	166.2
1,2,3-Trimethylbenzene		86.5	76.3	124.2
n-Butylbenzene	*	74.6	80.0	133.3
Hexachloroethane		84.9	23.8	138.1
1,2-Dibromo-3-chloropropane		118.8	21.2	189.4
1,2,4-Trichlorobenzene		88.8	27.4	143.4
1,2,3-Trichlorobenzene		88.7	75.4	131.4
Naphthalene		101.5	32.9	135.8

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:16, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		91.6	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 220507A3.LCSDW07A, Parent Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:39, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		91.1	67.4	121.2	1.3	30.0
Acetone		134.5	29.9	161.5	2.2	30.0
Methyl iodide		102.5	68.8	116.4	0.9	30.0
Carbon disulfide		101.1	63.8	137.4	0.2	30.0
tert-Methyl butyl ether (MTBE)		108.8	73.2	122.4	1.5	30.0
Acrylonitrile		121.0	69.9	128.9	0.3	30.0
2-Butanone (MEK)		126.7	44.0	134.4	2.8	30.0
Dichlorodifluoromethane		95.3	10.0	222.8	2.5	30.0
Chloromethane		101.7	23.8	166.5	1.8	30.0
Vinyl chloride		95.0	43.5	149.1	3.7	30.0
Bromomethane		99.4	56.8	151.3	7.3	30.0
Chloroethane		96.5	53.4	149.4	4.4	30.0
Trichlorofluoromethane		80.5	59.7	151.8	2.0	30.0
1,1-Dichloroethene		95.2	69.6	139.4	0.8	30.0
Methylene chloride		103.4	73.3	121.1	0.0	30.0
trans-1,2-Dichloroethene		99.4	73.6	129.3	1.0	30.0
1,1-Dichloroethane		98.6	71.5	126.2	0.7	30.0
cis-1,2-Dichloroethene		102.9	76.6	122.1	1.5	30.0
Tetrahydrofuran	*	129.4	59.0	117.9	2.2	30.0
Chloroform		99.7	78.4	124.0	1.0	30.0
Bromochloromethane		105.0	78.2	120.8	1.1	30.0
1,1,1-Trichloroethane		96.5	79.4	130.9	2.5	30.0
4-Methyl-2-pentanone (MIBK)		117.6	71.6	125.2	1.7	30.0
2-Hexanone		123.3	55.4	136.9	2.2	30.0
Carbon tetrachloride		94.5	72.6	133.0	1.1	30.0
Benzene		100.9	79.9	124.9	0.8	30.0
1,2-Dichloroethane		100.2	76.0	126.3	0.4	30.0
Trichloroethene		98.2	79.7	124.2	0.6	30.0
1,2-Dichloropropane		103.9	78.6	126.4	0.7	30.0
Bromodichloromethane		105.1	80.4	128.2	0.1	30.0
Dibromomethane		108.6	76.9	122.1	0.9	30.0
cis-1,3-Dichloropropene		110.7	79.8	129.9	0.6	30.0
Toluene		95.0	79.8	124.5	0.7	30.0
trans-1,3-Dichloropropene		111.4	74.0	131.3	0.3	30.0
1,1,2-Trichloroethane		107.4	78.7	123.1	0.5	30.0
Tetrachloroethene		92.8	74.5	124.5	0.6	30.0
trans-1,4-Dichloro-2-butene		109.9	68.6	135.4	0.9	30.0
Dibromochloromethane		107.9	74.6	127.2	5.2	30.0
1,2-Dibromoethane		110.6	70.3	133.7	3.4	30.0
Chlorobenzene		98.5	79.2	122.7	0.9	30.0

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 220507A3.LCSDW07A, Parent Sample ID: 220507A3.LCSW07A

Run in Batch: 220507A3, Run Date: 05/07/2022 09:39, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		100.5	80.3	128.2	0.0	30.0
Ethylbenzene		91.0	79.5	129.1	1.2	30.0
p,m-Xylene		90.6	79.4	132.2	0.9	30.0
o-Xylene		89.5	80.2	131.0	4.2	30.0
Styrene		93.9	69.5	126.7	4.6	30.0
Isopropylbenzene		86.9	74.4	121.5	1.8	30.0
Bromoform		102.1	69.4	128.0	4.7	30.0
1,1,2,2-Tetrachloroethane		103.2	79.8	126.3	0.8	30.0
1,2,3-Trichloropropane		103.6	78.3	138.8	0.8	30.0
n-Propylbenzene		85.6	82.0	130.7	3.8	30.0
Bromobenzene		98.2	78.7	124.6	3.4	30.0
1,3,5-Trimethylbenzene		90.8	81.3	128.9	5.9	30.0
tert-Butylbenzene		84.9	80.7	128.9	11.5	30.0
1,2,4-Trimethylbenzene		90.9	81.4	130.8	12.5	30.0
sec-Butylbenzene	*	76.3	77.4	129.8	5.1	30.0
p-Isopropyltoluene	*	78.7	79.8	137.5	3.0	30.0
1,3-Dichlorobenzene		90.8	77.0	131.3	2.5	30.0
1,4-Dichlorobenzene		93.7	20.7	137.7	2.3	30.0
1,2-Dichlorobenzene		94.2	10.0	166.2	1.9	30.0
1,2,3-Trimethylbenzene		89.7	76.3	124.2	3.6	30.0
n-Butylbenzene	*	74.3	80.0	133.3	0.5	30.0
Hexachloroethane		82.6	23.8	138.1	2.8	30.0
1,2-Dibromo-3-chloropropane		115.6	21.2	189.4	2.8	30.0
1,2,4-Trichlorobenzene		88.6	27.4	143.4	0.3	30.0
1,2,3-Trichlorobenzene		87.2	75.4	131.4	1.7	30.0
Naphthalene		100.4	32.9	135.8	1.1	30.0
2-Methylnaphthalene		83.3	25.5	165.5	9.4	30.0

Matrix Spike (MS)

Lab Sample ID: 220507A3.3549610M, Parent Sample ID: S35496.09

Run in Batch: 220507A3, Run Date: 05/07/2022 10:02, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		98.5	67.4	121.2
Acetone		146.5	29.9	161.5
Methyl iodide		104.1	68.8	116.4
Carbon disulfide		104.5	63.8	137.4
tert-Methyl butyl ether (MTBE)		115.0	73.2	122.4
Acrylonitrile	*	131.7	69.9	128.9
2-Butanone (MEK)	*	143.7	44.0	134.4
Dichlorodifluoromethane		94.7	10.0	222.8
Chloromethane		102.9	23.8	166.5
Vinyl chloride		95.7	43.5	149.1
Bromomethane		96.8	56.8	151.3
Chloroethane		94.8	53.4	149.4
Trichlorofluoromethane		82.7	59.7	151.8
1,1-Dichloroethene		99.2	69.6	139.4

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: 220507A3.3549610M, Parent Sample ID: S35496.09

Run in Batch: 220507A3, Run Date: 05/07/2022 10:02, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Methylene chloride		106.0	73.3	121.1
trans-1,2-Dichloroethene		102.6	73.6	129.3
1,1-Dichloroethane		102.6	71.5	126.2
cis-1,2-Dichloroethene		105.5	76.6	122.1
Tetrahydrofuran	*	146.0	59.0	117.9
Chloroform		103.1	78.4	124.0
Bromochloromethane		109.5	78.2	120.8
1,1,1-Trichloroethane		98.6	79.4	130.9
4-Methyl-2-pentanone (MIBK)	*	127.8	71.6	125.2
2-Hexanone	*	137.7	55.4	136.9
Carbon tetrachloride		97.6	72.6	133.0
Benzene		103.6	79.9	124.9
1,2-Dichloroethane		104.2	76.0	126.3
Trichloroethene		102.0	79.7	124.2
1,2-Dichloropropane		107.0	78.6	126.4
Bromodichloromethane		109.2	80.4	128.2
Dibromomethane		114.4	76.9	122.1
cis-1,3-Dichloropropene		114.2	79.8	129.9
Toluene		97.8	79.8	124.5
trans-1,3-Dichloropropene		116.6	74.0	131.3
1,1,2-Trichloroethane		113.8	78.7	123.1
Tetrachloroethene		96.9	74.5	124.5
trans-1,4-Dichloro-2-butene		121.5	68.6	135.4
Dibromochloromethane		107.7	74.6	127.2
1,2-Dibromoethane		112.5	70.3	133.7
Chlorobenzene		100.0	79.2	122.7
1,1,1,2-Tetrachloroethane		102.2	80.3	128.2
Ethylbenzene		94.7	79.5	129.1
p,m-Xylene		94.0	79.4	132.2
o-Xylene		95.9	80.2	131.0
Styrene		100.6	69.5	126.7
Isopropylbenzene		90.5	74.4	121.5
Bromoform		113.6	69.4	128.0
1,1,2,2-Tetrachloroethane		115.7	79.8	126.3
1,2,3-Trichloropropane		114.3	78.3	138.8
n-Propylbenzene		87.0	82.0	130.7
Bromobenzene		102.0	78.7	124.6
1,3,5-Trimethylbenzene		88.9	81.3	128.9
tert-Butylbenzene		84.0	80.7	128.9
1,2,4-Trimethylbenzene		89.0	81.4	130.8
sec-Butylbenzene		80.0	77.4	129.8
p-Isopropyltoluene		81.8	79.8	137.5
1,3-Dichlorobenzene		95.4	77.0	131.3
1,4-Dichlorobenzene		97.9	20.7	137.7
1,2-Dichlorobenzene		97.8	10.0	166.2
1,2,3-Trimethylbenzene		92.2	76.3	124.2

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: 220507A3.3549610M, Parent Sample ID: S35496.09

Run in Batch: 220507A3, Run Date: 05/07/2022 10:02, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
n-Butylbenzene	*	77.3	80.0	133.3
Hexachloroethane		87.3	23.8	138.1
1,2-Dibromo-3-chloropropane		129.2	21.2	189.4
1,2,4-Trichlorobenzene		95.0	27.4	143.4
1,2,3-Trichlorobenzene		96.4	75.4	131.4
Naphthalene		114.3	32.9	135.8
2-Methylnaphthalene		108.0	25.5	165.5

Matrix Spike Duplicate (MSD)

Lab Sample ID: 220507A3.3549611N, Parent Sample ID: 220507A3.3549610M

Run in Batch: 220507A3, Run Date: 05/07/2022 10:25, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		98.9	67.4	121.2	0.4	30.0
Acetone		139.9	29.9	161.5	4.5	30.0
Methyl iodide		104.8	68.8	116.4	0.6	30.0
Carbon disulfide		106.0	63.8	137.4	1.4	30.0
tert-Methyl butyl ether (MTBE)		110.5	73.2	122.4	3.9	30.0
Acrylonitrile	*	129.6	69.9	128.9	1.6	30.0
2-Butanone (MEK)		133.4	44.0	134.4	7.4	30.0
Dichlorodifluoromethane		98.0	10.0	222.8	3.5	30.0
Chloromethane		104.0	23.8	166.5	1.0	30.0
Vinyl chloride		93.8	43.5	149.1	2.0	30.0
Bromomethane		91.8	56.8	151.3	5.2	30.0
Chloroethane		92.2	53.4	149.4	2.8	30.0
Trichlorofluoromethane		85.9	59.7	151.8	3.8	30.0
1,1-Dichloroethene		100.7	69.6	139.4	1.5	30.0
Methylene chloride		105.1	73.3	121.1	0.8	30.0
trans-1,2-Dichloroethene		103.0	73.6	129.3	0.3	30.0
1,1-Dichloroethane		103.0	71.5	126.2	0.4	30.0
cis-1,2-Dichloroethene		105.2	76.6	122.1	0.2	30.0
Tetrahydrofuran	*	135.9	59.0	117.9	7.1	30.0
Chloroform		101.8	78.4	124.0	1.3	30.0
Bromochloromethane		106.9	78.2	120.8	2.4	30.0
1,1,1-Trichloroethane		101.2	79.4	130.9	2.6	30.0
4-Methyl-2-pentanone (MIBK)		125.0	71.6	125.2	2.2	30.0
2-Hexanone		130.0	55.4	136.9	5.7	30.0
Carbon tetrachloride		99.3	72.6	133.0	1.7	30.0
Benzene		104.0	79.9	124.9	0.5	30.0
1,2-Dichloroethane		100.7	76.0	126.3	3.5	30.0
Trichloroethene		101.5	79.7	124.2	0.5	30.0
1,2-Dichloropropane		105.4	78.6	126.4	1.5	30.0
Bromodichloromethane		106.6	80.4	128.2	2.4	30.0
Dibromomethane		110.1	76.9	122.1	3.8	30.0
cis-1,3-Dichloropropene		111.4	79.8	129.9	2.5	30.0
Toluene		97.8	79.8	124.5	0.0	30.0
trans-1,3-Dichloropropene		113.9	74.0	131.3	2.4	30.0

Organics - Volatiles, Prep Batch ID: VF220507W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: 220507A3.3549611N, Parent Sample ID: 220507A3.3549610M

Run in Batch: 220507A3, Run Date: 05/07/2022 10:25, Prep Date: 05/07/2022, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,2-Trichloroethane		109.2	78.7	123.1	4.1	30.0
Tetrachloroethene		97.8	74.5	124.5	0.9	30.0
trans-1,4-Dichloro-2-butene		121.5	68.6	135.4	0.0	30.0
Dibromochloromethane		108.5	74.6	127.2	0.7	30.0
1,2-Dibromoethane		111.6	70.3	133.7	0.8	30.0
Chlorobenzene		102.0	79.2	122.7	2.0	30.0
1,1,1,2-Tetrachloroethane		104.5	80.3	128.2	2.3	30.0
Ethylbenzene		98.3	79.5	129.1	3.7	30.0
p,m-Xylene		97.2	79.4	132.2	3.3	30.0
o-Xylene		98.0	80.2	131.0	2.2	30.0
Styrene		101.9	69.5	126.7	1.3	30.0
Isopropylbenzene		94.0	74.4	121.5	3.8	30.0
Bromoform		113.5	69.4	128.0	0.1	30.0
1,1,2,2-Tetrachloroethane		113.0	79.8	126.3	2.4	30.0
1,2,3-Trichloropropane		112.9	78.3	138.8	1.2	30.0
n-Propylbenzene		90.5	82.0	130.7	3.9	30.0
Bromobenzene		102.5	78.7	124.6	0.5	30.0
1,3,5-Trimethylbenzene		92.3	81.3	128.9	3.7	30.0
tert-Butylbenzene		87.5	80.7	128.9	4.0	30.0
1,2,4-Trimethylbenzene		91.2	81.4	130.8	2.4	30.0
sec-Butylbenzene		82.5	77.4	129.8	3.1	30.0
p-Isopropyltoluene		83.6	79.8	137.5	2.2	30.0
1,3-Dichlorobenzene		95.6	77.0	131.3	0.2	30.0
1,4-Dichlorobenzene		97.5	20.7	137.7	0.4	30.0
1,2-Dichlorobenzene		97.9	10.0	166.2	0.1	30.0
1,2,3-Trimethylbenzene		93.5	76.3	124.2	1.4	30.0
n-Butylbenzene	*	79.1	80.0	133.3	2.3	30.0
Hexachloroethane		89.4	23.8	138.1	2.4	30.0
1,2-Dibromo-3-chloropropane		126.3	21.2	189.4	2.3	30.0
1,2,4-Trichlorobenzene		95.7	27.4	143.4	0.8	30.0
1,2,3-Trichlorobenzene		93.9	75.4	131.4	2.6	30.0
Naphthalene		112.9	32.9	135.8	1.2	30.0
2-Methylnaphthalene		99.2	25.5	165.5	8.5	30.0

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2 150202

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211 P.O. NO.:
E-MAIL ADDRESS: clifford.yantz@ramboll.com; Kevin.Schneider@Ramboll.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS X STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD X LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	DISSOLVED As, Ba, Pb, Se, Zn
35496.01	4/27/22	1238	OBG MW-1S	GW	5		3	2					X	X	X
.02		1315	OBG MW-7S	GW	5		3	2					X	X	X
.03		1500	OBG MW-7D	GW	5		3	2					X	X	X
.04		1404	OBG MW-6S	GW	5		3	2					X	X	X
.05		1522	OBG MW-6D	GW	5		3	2					X	X	X
.06		1738	OBG MW-2S	GW	5		3	2					X	X	X
.07	4/28/22	1037	OBG MW-3S	GW	5		3	2					X	X	X
.08		1110	OBG MW-2D	GW	5		3	2					X	X	X
.09		1445	OBG OS MW-3	GW	5		3	2					X	X	X
.10/.11/.12		1445	OBG OS MW-3 (MS/MSD)	GW	12		8	4					X	X	X
JRM .11 .13		1600	OBG OS MW-4	GW	5		3	2					X	X	X
.12 .14		1722	OBG OS MW-5	GW	5		3	2					X	X	X

Dissolved metals were field filtered

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 4/29/22	TIME 1350
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 4/29/22	TIME 1350
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 4/29/22	TIME 1440
RECEIVED BY: SIGNATURE/ORGANIZATION	Johanna Murray	DATE 4/29/22	TIME 1440

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE — TIME
RECEIVED BY: SIGNATURE/ORGANIZATION — DATE — TIME

SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS
SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS

NOTES: TEMP. ON ARRIVAL 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Merit Laboratories, Inc.

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C.O.C. PAGE # 2 OF 2

145678

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: 313-333-0711 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com Kevin.Schneider@Ramboll.com QUOTE NO.: cm

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED: ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS X STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STD X LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	DISSOLVED As, Ba, Pb, Se, Zn	Special Instructions
35496.13	4/28/22	1418	OBG OS MW-1	GW	5		3	2					X	X	X	Dissolved metals were field filtered
15.14 .16	4/28/22	1538	OBG OS MW-2	GW	5		3	2					X	X	X	
16 .15 .17	4/29/22	820	Field Blank-042922	L	4		3	1					X	X		
17 .16 .18	4/29/22	1015	OBG MW-55	GW	5		3	2					X	X	X	
18 .17 .19	4/29/22	—	DUP-042922	GW	5		3	2					X	X	X	
19 .18 .20	4/29/22	—	Trip Blank-042922	L	1	1							X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE	TIME
		4/29/22	1350
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		4/29/22	1715
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		4/29/22	1740
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
Johanna Murray		4/29/22	1440

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL: 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12