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HEMPHILL ROAD INDUSTRIAL LAND

2024 ANNUAL GROUNDWATER SAMPLING REPORT

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HEMPHILL ROAD INDUSTRIAL LAND
2024 ANNUAL GROUNDWATER SAMPLING REPORT

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1. INTRODUCTION

This report serves as a summary for the annual 2024 groundwater sampling event conducted in April and May 2024 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 2019 draft No Further Action (NFA) Report, which was submitted to EGLE on November 28, 2019.

2. GROUNDWATER SAMPLING

The annual 2024 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 are 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 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**. A figure depicting the groundwater results above EGLE criteria is included as **Figure 4**.

Groundwater samples for the annual 2024 sampling event were collected between April 29, 2024 and May 1, 2024. Samples were collected from nine on-site monitoring wells and five offsite monitoring wells. The nine on-site monitoring wells are: OBG MW-1S, OBG MW-2S, OBG MW-2D, OBG MW-3, 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 OSMW-1, OBG OSMW-2, OBG OSMW-3, OBG OSMW-4, and OBG OSMW-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. A few LNAPL globs were observed on the oil/water interface probe during low flow sampling at OBG MW-5S, which has been noticed while sampling since approximately 2019. The amount of LNAPL was not enough to activate the oil sensor on the probe; therefore, the water level reading collected from the well appeared to be accurate. 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 is 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 high density 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 measured with a separate 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, OBG MW-5S, OBG MW-6S/D, OBG MW-7S, OBG OSMW-1, and OBG OSMW-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 the 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 field blank and trip 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 OSMW-4 and OBG OSMW-5 (which are screened in fill material) and onsite wells OBG MW-3 and OBG MW-5S.

All detected VOC concentrations are below the EGLE Part 201 Generic Residential Drinking Water criteria. The concentrations for tetrachloroethene (2 µg/l) at OBG MW-3S and isopropylbenzene (8 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 (1.5 µg/l) tetrachloroethene and (0.60 µg/l) isopropylbenzene. The analytical results for the annual event are summarized on **Table 4** and the groundwater analytical reports are included in **Exhibit B**.

The samples were analyzed for both total and dissolved metals. The dissolved sample concentrations were less than or equal to the total sample concentrations for this sampling event, except for arsenic at OBG OSMW-3, barium at OBG MW-1S, OBG MW-3, and OBG MW-6D, and zinc at OBG OSMW-5.

There were five samples from the monitoring wells where the total metal results exceeded criteria and the dissolved metal results were below criteria. The sample location and analyte are listed below:

WELL ID	ANALYTE	TOTAL (µg/l)	DISSOLVED (µg/l)
OBG MW-3S	Arsenic	14	3
OBG MW-7S	Arsenic	11	9
OBG OSMW-1	Lead	15	3
OBG OSMW-2	Lead	5	3
OBG OSMW-5	Lead	5	3

Selenium and zinc were either not detected above the laboratory reporting limits or detections were below the EGLE Part 201 Generic Residential Drinking Water criteria of 50 µg/l for selenium and 2,400 µg/l for zinc.

Lead was not detected above the laboratory reporting limits or detections were below the EGLE Part 201 Generic Residential Drinking Water criterion of 5 µg/l: except at OBG OSMW-1 (total result 15 µg/l), OBG OSMW-2 (total result 5 µg/l), and OBG OSMW-5 (total result 5 µg/l).

Arsenic was detected above the EGLE Part 201 Generic Residential Drinking Water criterion of 10 µg/l at OBG MW-2S (total result 14 µg/l), OBG MW-2D (total result 23 µg/l), OBG MW-3 (total result 14 µg/l, OBG MW-6D (total result 19 µg/l), OBG MW-7S (total result 11 µg/l), OBG MW-7D (total result 30 µg/l), OBG OSMW-1 (total result 43 µg/l), OBG OSMW-2 (total result 45 µg/l), and OBG OSMW-3 (dissolved result 20 µg/l).

Barium was not detected above the laboratory reporting limits or detections were below the EGLE Part 201 Generic Residential Drinking Water criterion of 2,000 µg/l: except at OBG OSMW-5 (total result 2,590 µg/l).

4. SUMMARY

The results from this event support the conclusions and recommendations in the 2019 draft NFA Report.

The results of the annual groundwater sampling event are comparable to 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 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, which is further discussed in Sections 2.1.16 and 2.1.17 of the 2019 NFA Report and in the 2014 Off-Site Groundwater Investigation Memo and 2014 Semiannual Groundwater Sampling Report.

On-site exceedances and LNAPL can be addressed with a resource use restriction for Site groundwater as provided in the 2019 draft NFA report and the draft Declaration of Restrictive Covenant submitted to EGLE on November 16, 2023.

Concentrations of VOCs were detected above reporting limits at two offsite wells (OBG OSMW-4 and OBG OSMW-5) and two onsite wells (OBG MW-3 and OBG MW-5S). The results appear to be related to the fill material in these areas and the detections are below the EGLE Part 201 Nonresidential Drinking Water criteria.

Review of historical groundwater data and analytical data from the annual sampling event indicates groundwater constituents and concentrations at offsite wells (OBG OSMW-4 and OBG OSMW-5) are 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 a minimal thickness of LNAPL or LNAPL coating the probe which prevented an accurate measurement.

The next currently scheduled sampling event is to take place during the second quarter of 2025, however EGLE and RACER are currently discussing next steps to address the Site and the timing and/or scope of groundwater sampling could be modified prior to the second quarter of 2025.

If you have questions or would like additional information, please contact Clifford Yantz at (313) 333-0211 or Brendan Mullen at (201) 247-4890.

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)	Depth To Water 4/25/2023 (ft btoc)	Static Water Elevation 4/25/2023 (ft amsl)	Depth To Water 4/29/2024 (ft btoc)	Static Water Elevation 4/29/2024 (ft amsl)
OBG MW-1S	**777.64**	12.98	764.66	12.49	765.15	11.78	765.86	12.40	765.24	11.65	765.99
OBG MW-2S	**775.33**	10.75	764.58	10.11	765.22	9.03	766.30	10.06	765.27	9.50	765.83
OBG MW-2D	**775.19**	20.26	754.93	19.12	756.07	18.18	757.01	19.91	755.28	18.34	756.85
OBG MW-3 **	**777.31**	23.16	754.15	23.11	754.20	23.03	754.28	23.06	754.25	23.02	754.29
OBG MW-4S	**769.15**	--	--	--	--	--	--	--	--	--	--
OBG MW-5S	**771.00**	15.71	755.29	15.65	755.35	15.57	755.43	15.45	755.55	15.40	755.60
OBG MW-6S	**772.70**	14.44	758.26	13.85	758.85	13.70	759.00	13.70	759.00	13.68	759.02
OBG MW-6D	**772.69**	17.91	754.78	16.85	755.84	15.93	756.76	17.63	755.06	16.18	756.51
OBG MW-7S	**766.30**	7.84	758.46	7.82	758.48	7.49	758.81	7.70	758.60	7.49	758.81
OBG MW-7D	**766.36**	12.76	753.60	11.64	754.72	10.67	755.69	12.39	753.97	10.90	755.46
OBG MW-8	**771.21**	16.34	754.87	15.76	755.45	15.66	755.55	15.09	756.12	15.21	756.00
OBG MW-9	**770.93**	15.75	755.18	15.14	755.79	15.13	755.80	14.35	756.58	14.31	756.62
OBG MW-10	**768.96**	--	--	--	--	13.55	--	13.27	755.69	13.19	755.77
OBG MW-11	**775.64**	17.58	758.06	17.08	758.56	16.65	758.99	16.53	759.11	16.34	759.30
OBG OS MW-1	**776.57**	22.02	754.55	21.79	754.78	21.48	755.09	21.40	755.17	21.21	755.36
OBG OS MW-2	**776.67**	21.25	755.42	20.98	755.69	20.56	756.11	20.33	756.34	20.12	756.55
OBG OS MW-3	**782.89**	26.06	756.83	25.82	757.07	25.10	757.79	25.34	757.55	24.00	758.89
OBG OS MW-4	**779.00**	24.53	754.47	24.50	754.50	24.38	754.62	24.30	754.70	24.23	754.77
OBG OS MW-5	**779.38**	24.88	754.50	24.85	754.53	24.72	754.66	24.63	754.75	24.56	754.82

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 (Installled 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	--	--	--
4/27/2023	IM	13.89	--	--	--
5/1/2024	IM	13.79	--	--	--
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	--	--	--
4/25/2023	IM	13.27	--	--	--
5/1/2024	IM	13.19	0.50	--	--
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	--	--	--	--
4/27/2023	IM	12.51	--	--	--
5/1/2024	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.

TABLE 4
RACER Trust - Hemphill Road Industrial Land
Groundwater Analytical Results - April 2024

	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
Sample Date	4/29/2024		4/29/2024		4/29/2024		4/29/2024		5/1/2024		Drinking Water	Drinking Water	GWNIC	VIAC GWNIC
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals														
Arsenic	<2	<2	**14**	**12**	**23**	**19**	**14**	**3**	**8**	**6**	10 (A)	10 (A)	--	--
Barium	**193**	**194**	**174**	**174**	**203**	**199**	**179**	**182**	**995**	**975**	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	**6**	<5	<5	<5	2,400	5,000 (E)	--	--
VOCs **DO/ORP:**	1.35	6.8	0.59	-72.6	1.22	46.4	6.36	-31.3	0.14	-105.7				
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		**3**		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		**2**		<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 2024

	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
Sample Date	4/30/2024		4/30/2024		4/29/2024		4/29/2024		Drinking Water	Drinking Water	GWNIC	VIAC GWNIC
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals												
Arsenic	**5**	**5**	**19**	**17**	**11**	**9**	**30**	**30**	10 (A)	10 (A)	--	--
Barium	**122**	**122**	**74**	**75**	**247**	**218**	**86**	**85**	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	<5	<5	2,400	5,000 (E)	--	--
VOCs **DO/ORP:**	1.36	-33.4	2.82	-22.8	0.01	-166.0	0.10	-174.5				
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:
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.

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TABLE 4
RACER Trust - Hemphill Road Industrial Land
Groundwater Analytical Results - April 2024

	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
Sample Date	5/1/2024		5/1/2024		4/30/2024		4/30/2024		4/30/2024		Drinking Water	Drinking Water	GWNIC	VIAC GWNIC
	Total	Dissolvec	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved				
Metals														
Arsenic	**43**	**28**	**45**	**39**	**19**	**20**	**3**	**2**	<2	<2	10 (A)	10 (A)	--	--
Barium	**829**	**756**	**227**	**215**	**179**	**176**	**1,230**	**1,200**	**2,590**	**2,550**	2,000 (A)	2,000 (A)	--	--
Lead	**15**	<3	**5**	<3	<3	<3	**3**	<3	**5**	<3	4.0 (L)	4.0 (L)	--	--
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)	--	--
Zinc	**14**	<5	**20**	<5	<5	<5	<5	<5	<5	**5**	2,400	5,000 (E)	--	--
VOCs **DO/ORP:**	0.10	-125.1	0.07	-85.6	0.07	-169.3	0.02	-149.7	0.04	-131.1				
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		**3**		<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		**11**		**6**		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		**6**		**4**		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		**8**		<5		800	2,300	0.60 (M) ca	300 ca
2-Methylnaphthalene	<5		<5		<5		**62**		<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		**14**		<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

I:\Racer-Trust.1088190\GIS\Hemphill Road\Pro\2024_PFAS_TechMemo\001 - Figure 1 - Well Locations

PROJECT: 1940107193 | DATED: 6/12/2024 | DESIGNER: MONETANT

MONITORING WELL LOCATION
(SCREENED IN NATIVE SOIL)

MONITORING WELL LOCATION
(SCREENED IN FILL)

FENCE LINE

HEMPHILL ROAD INDUSTRIAL LAND

0 50 100 Feet

MONITORING WELL LOCATIIONS

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Notes:
1) Groundwater elevations for onsite wells OBG MW-4S, MW-401 and MW-403 were not recorded for this event.
2) OBG MW-1S, OBG MW-2S, OBG MW-3, and OBG MW-6S are screened in native soils.
The remaining wells are screened in waste material, which may constitute a different flow regime.
3) This document was developed in color. Reproduction
in B/W may not represent the data as intended.
4) Aerial photo provided by ESRI.

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 29, 2024

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)

FENCE LINE

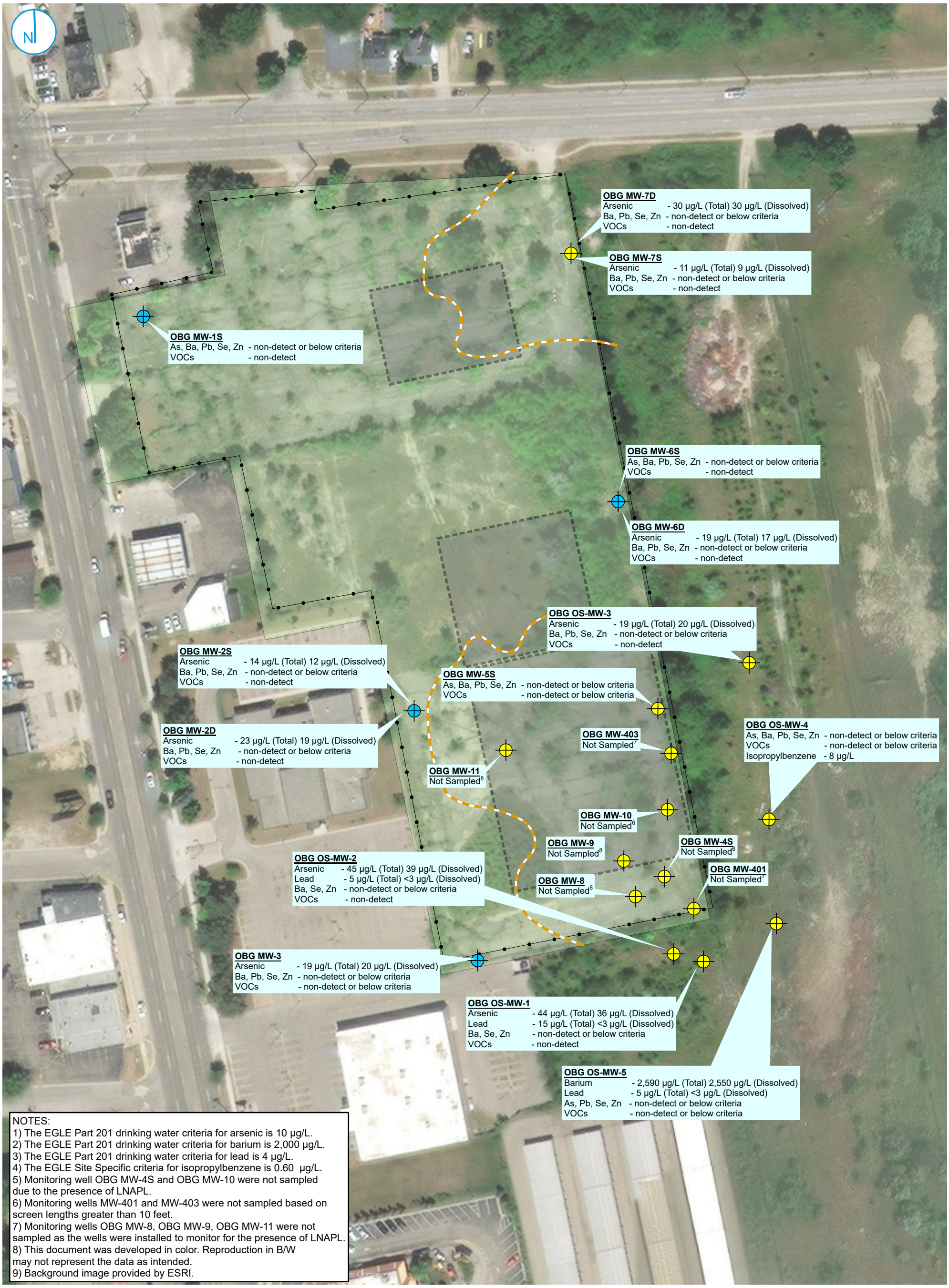
0 50 100 Feet

INTERPRETED DEEP GROUNDWATER ELEVATION CONTOURS APRIL 29, 2024

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 03

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



NOTES:
1) The EGLE Part 201 drinking water criteria for arsenic is 10 µg/L.
2) The EGLE Part 201 drinking water criteria for barium is 2,000 µg/L.
3) The EGLE Part 201 drinking water criteria for lead is 4 µg/L.
4) The EGLE Site Specific criteria for isopropylbenzene is 0.60 µg/L.
5) Monitoring well OBG MW-4S and OBG MW-10 were not sampled due to the presence of LNAPL.
6) Monitoring wells MW-401 and MW-403 were not sampled based on screen lengths greater than 10 feet.
7) Monitoring wells OBG MW-8, OBG MW-9, OBG MW-11 were not sampled as the wells were installed to monitor for the presence of LNAPL.
8) This document was developed in color. Reproduction in B/W may not represent the data as intended.
9) Background image provided by ESRI.

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 2024

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 04

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

EXHIBIT A
GROUNDWATER SAMPLE LOGS

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2024		
Site Name	RACER Hemphill	Weather	Sunny, 70s°F
Location	Burton, MI	Well #	OBG MW-1S
Project No.	1940107193	Evacuation Method	Peristaltic Pump
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.26	ft.
Depth to Water *	11.65	ft.
Length of Water Column	15.61	ft.
Volume of Water in Well	2.54	gal.(s)
3X Volume of Water in Well	7.63	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: 1.25 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	12.00	20.63	1.22	2.74	7.44	14.0	5.49
5 min	12.25	18.14	1.31	1.89	7.35	13.6	--
10 min	12.52	17.55	1.34	1.76	7.34	15.1	--
15 min	12.80	17.35	1.35	1.69	7.33	17.5	--
20 min	12.94	17.24	1.35	1.58	7.32	18.2	--
25 min	13.08	17.14	1.35	1.50	7.31	17.4	--
30 min	12.25	17.21	1.37	1.38	7.30	12.8	--
35 min	13.34	17.09	1.37	1.35	7.30	6.8	2.99
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: 15:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	5.5	Turbidity (> 100 NTU)	2.99
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 1440/1515
Sample taken at 2:45 P/ 14:45

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2024		
Site Name	RACER Hemphill	Weather	Sunny, 70s°F
Location	Burton, MI	Well #	OBG MW-2S
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	24.50	ft.
Depth to Water *	9.50	ft.
Length of Water Column	15.00	ft.
Volume of Water in Well	2.45	gal.(s)
3X Volume of Water in Well	7.34	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: 1.25 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	10.22	19.42	2.30	1.41	6.75	127.0	7.12
5 min	10.36	17.23	2.40	1.17	7.06	88.6	4.41
10 min	10.80	16.92	2.41	0.94	7.15	-10.6	2.32
15 min	11.18	17.45	2.41	0.75	7.17	-41.3	2.32
20 min	11.30	17.47	2.43	0.73	7.18	-48.7	1.33
25 min	11.40	17.32	2.42	0.72	7.19	-52.6	1.73
30 min	11.59	17.00	2.42	0.61	7.19	-66.7	2.27
35 min	11.70	16.65	2.43	0.59	7.20	-67.9	0.59
40 min	11.85	17.01	2.42	0.59	7.20	-72.6	1.09
45 min						Post Filter	1.97
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 12:45

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	7.12	Turbidity (> 100 NTU)	1.09
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:
Purging started at 1200

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2024		
Site Name	RACER Hemphill	Weather	Sunny, 70s°F
Location	Burton, MI	Well #	OBG MW-2D
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	38.36	ft.
Depth to Water *	18.34	ft.
Length of Water Column	20.02	ft.
Volume of Water in Well	3.26	gal.(s)
3X Volume of Water in Well	9.79	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: 1.25 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	18.46	23.19	1.41	2.82	6.91	142.1	14.8
5 min	18.50	20.41	1.49	2.30	7.30	109.5	9.70
10 min	18.51	19.66	1.48	2.08	7.42	90.8	9.20
15 min	18.51	19.24	1.48	1.95	7.43	87.6	3.52
20 min	18.51	18.88	1.49	1.86	7.44	82.8	9.35
25 min	18.51	18.82	1.51	1.63	7.43	75.9	5.51
30 min	18.51	19.30	1.50	1.74	7.44	66.6	6.19
35 min	18.51	18.99	1.50	1.25	7.45	59.5	7.28
40 min	18.51	19.12	1.51	1.27	7.44	57.0	10.01
45 min	18.51	19.18	1.49	1.13	7.45	52.7	5.39
50 min	18.51	18.90	1.51	1.18	7.44	49.0	6.91
55 min	18.51	19.14	1.50	1.22	7.45	46.4	7.21
60 min						Post Filter	2.34
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							
95 min							

Water Sample:
Time Collected: 13:12

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Sightly Cloudy	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	14.8	Turbidity (> 100 NTU)	7.21
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:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2024		
Site Name	RACER Hemphill	Weather	Sunny, 70s°F
Location	Burton, MI	Well #	OBG MW-3
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.50	ft.
Depth to Water *	23.02	ft.
Length of Water Column	4.48	ft.
Volume of Water in Well	0.73	gal.(s)
3X Volume of Water in Well	2.19	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: 1.0 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	23.05	24.18	0.01	4.07	7.38	147.0	27.1
5 min	23.05	22.76	0.01	6.45	8.67	115.1	24.1
10 min	23.05	21.50	4.20	2.53	7.03	-33.4	10.5
15 min	23.05	20.97	4.16	2.21	7.01	-26.5	8.64
20 min	23.05	19.01	4.75	6.36	7.04	-29.9	10.1
25 min	23.05	18.71	4.78	6.72	7.04	-28.8	9.98
30 min	23.05	18.15	4.77	6.56	7.04	-30.0	8.72
35 min	23.05	18.07	4.76	6.36	7.04	-31.3	8.42
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: 16:25

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	27.1	Turbidity (> 100 NTU)	8.42
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:
Purging started at 1545

RAMBOLL

Standard Groundwater Sampling Log

Date	5/1/2024		
Site Name	RACER Hemphill	Weather	Cloudy 60s (°F)
Location	Burton, MI	Well #	OBG MW-5S
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	20.25	ft.
Depth to Water *	15.40	ft.
Length of Water Column	4.85	ft.
Volume of Water in Well	0.79	gal.(s)
3X Volume of Water in Well	2.37	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: 0.5 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	15.76	14.95	2.62	9.66	6.15	-82.7	14.13
5 min	15.90	14.14	2.76	0.45	6.49	-108.0	11.70
10 min	16.10	13.91	2.76	0.22	6.51	-108.1	11.20
15 min	16.15	13.87	2.76	0.18	6.52	-107.9	9.30
20 min	16.26	13.92	2.77	0.16	6.52	-107.1	10.30
25 min	16.30	13.99	2.77	0.15	6.52	-106.2	9.42
30 min	16.32	14.01	2.76	0.14	6.52	-105.7	10.20
35 min							
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: 9:50

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	Petroleum type odor	Odor	Petroleum type odor
Turbidity (> 100 NTU)	14.13	Turbidity (> 100 NTU)	10.20
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	
Metals	1	125 ml Plastic	HNO3	
Dissolved Metals	1	125 ml Plastic	HNO3	yes
PFAS	3	15 ml Plastic	none	

Notes:
DUP-050124 Collected
LNAPL on water level probe

RAMBOLL

Standard Groundwater Sampling Log

Date	4/30/2024		
Site Name	RACER Hemphill	Weather	Sunny 70s (°F)
Location	Burton, MI	Well #	OBG MW-6S
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	19.25	ft.
Depth to Water *	13.70	ft.
Length of Water Column	5.55	ft.
Volume of Water in Well	0.90	gal.(s)
3X Volume of Water in Well	2.71	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: 1.25 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	14.35	13.21	1.54	2.05	6.96	75.5	4.05
5 min	14.45	12.00	1.58	1.97	6.98	57.7	2.97
10 min	14.65	12.29	1.60	1.95	6.98	45.4	3.60
15 min	14.82	12.42	1.61	1.84	6.97	37.4	2.17
20 min	15.02	12.58	1.61	1.74	6.96	29.1	3.29
25 min	15.20	12.53	1.61	1.70	6.97	19.2	4.24
30 min	15.48	12.95	1.62	1.45	6.96	-6.6	3.79
35 min	15.70	12.95	1.62	1.37	6.95	-9.3	2.95
40 min	15.98	13.34	1.62	1.34	6.95	-27.4	0.03
45 min	16.10	13.33	1.61	1.36	6.95	-33.4	0.62
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 10:30

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	4.05	Turbidity (> 100 NTU)	0.62
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:
Purging started 9:40

RAMBOLL

Standard Groundwater Sampling Log

Date	4/30/2024		
Site Name	RACER Hemphill	Weather	Sunny 60s (°F)
Location	Burton, MI	Well #	OBG MW-6D
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	44.44	ft.
Depth to Water *	16.15	ft.
Length of Water Column	28.29	ft.
Volume of Water in Well	4.61	gal.(s)
3X Volume of Water in Well	13.83	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	16.55	13.35	1.02	5.64	7.40	68.0	
5 min	16.52	12.99	1.03	5.25	7.55	61.4	4.38
10 min	16.84	12.99	1.02	5.17	7.73	50.3	3.05
15 min	16.99	13.24	1.03	4.69	7.77	44.8	2.48
20 min	17.06	13.54	1.02	4.16	7.76	42.0	1.49
25 min	17.21	13.77	1.03	3.20	7.75	32.0	3.69
30 min	17.25	13.88	1.03	3.47	7.75	28.5	
35 min	17.29	13.95	1.03	2.46	7.73	14.6	2.06
40 min	17.34	14.08	1.03	2.34	7.72	-4.3	0.02
45 min	17.40	13.95	1.03	2.56	7.73	-19.9	2.39
50 min	17.45	14.04	1.03	2.87	7.74	-20.0	2.10
55 min	17.46	13.87	1.04	2.82	7.74	-22.8	3.86
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 10:45

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	4.38	Turbidity (> 100 NTU)	3.86
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:

RAMBOLL

Standard Groundwater Sampling Log

Date	4/29/2024		
Site Name	RACER Hemphill	Weather	Cloudy 60s (°F)
Location	Burton, MI	Well #	OBG MW-7S
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	17.95	ft.
Depth to Water *	7.41	ft.
Length of Water Column	10.54	ft.
Volume of Water in Well	1.72	gal.(s)
3X Volume of Water in Well	5.15	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: 80 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	7.57	23.75	1.37	3.96	6.80	-18.4	112
5 min	8.39	17.08	1.54	0.17	6.73	-51.1	104.0
10 min	8.51	16.75	1.54	0.15	6.73	-53.9	93.2
15 min	9.00	16.32	1.54	0.10	6.74	-59.5	96.0
20 min	9.35	16.09	1.55	0.08	6.73	-62.0	95.3
25 min	9.50	16.31	1.56	0.08	6.73	-69.3	95.6
30 min	9.79	16.23	1.54	0.07	6.73	-76.4	78.8
35 min	10.06	16.64	1.55	0.07	6.72	-94.1	79.7
40 min		16.66	1.55	0.07	6.71	-107.0	
45 min	10.37	17.30	1.55	0.06	6.70	-114.5	81.6
50 min	10.52	17.34	1.55	0.05	6.70	-120.2	79.2
55 min	10.69	16.85	1.55	0.04	6.70	-122.7	75.4
60 min	10.88	16.67	1.55	0.04	6.69	-135.8	71.4
65 min	11.00	16.47	1.56	0.04	6.68	-145.5	62.3
70 min	11.15	16.07	1.56	0.05	6.67	-151.6	53.4
75 min	11.25	16.05	1.57	0.04	6.66	-157.2	48.6
80 min	11.29	16.20	1.57	0.05	6.66	-158.7	51.4
85 min	11.41	16.17	1.57	0.04	6.66	-162.5	47.7
90 min	11.70	15.04	1.55	0.02	6.66	-166.9	41.1
95 min	11.94	14.61	1.55	0.01	6.68	-166.9	44.4
100 min	12.24	14.54	1.55	0.01	6.67	-166.0	45.2

Water Sample:
Time Collected: 15:35

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Yellowish	Color	Slightly Cloudy
Odor	None	Odor	None
Turbidity (> 100 NTU)	112	Turbidity (> 100 NTU)	45.2
Sheen/Free Product	Slight Sheen	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	4/29/2024		
Site Name	RACER Hemphill	Weather	Sunny 70s (°F)
Location	Burton, MI	Well #	OBG MW-7D
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	47.98	ft.
Depth to Water *	10.90	ft.
Length of Water Column	37.08	ft.
Volume of Water in Well	6.04	gal.(s)
3X Volume of Water in Well	18.13	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	10.92	19.01	0.49	1.17	7.92	-106.3	33.9
5 min	10.93	16.25	0.52	0.29	7.90	-137.1	28.6
10 min	10.93	15.75	0.52	0.21	7.88	-157.4	20.1
15 min	10.93	15.70	0.53	0.15	7.87	-168.6	17.9
20 min	10.90	15.53	0.53	0.13	7.88	-171.6	15.7
25 min	10.90	15.15	0.53	0.11	7.88	-171.0	10.9
30 min	10.90	15.24	0.52	0.10	7.88	-174.5	10.6
35 min							
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: 14:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Slightly Cloudy	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	33.9	Turbidity (> 100 NTU)	10.60
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:
Start: 13:40
End: 14:10

RAMBOLL

Standard Groundwater Sampling Log

Date	5/1/2024		
Site Name	RACER Hemphill	Weather	Sunny 70s (°F)
Location	Burton, MI	Well #	OBG OSMW-1
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.15	ft.
Depth to Water *	21.21	ft.
Length of Water Column	8.94	ft.
Volume of Water in Well	1.46	gal.(s)
3X Volume of Water in Well	4.37	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: 0.5 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	21.50	18.13	1.22	2.91	6.70	-115.8	17.70
5 min	21.56	16.45	1.28	0.42	6.76	-127.1	14.70
10 min	21.66	16.66	1.30	0.27	6.79	-129.9	11.0
15 min	21.75	17.03	1.29	0.16	6.78	-129.7	8.67
20 min	21.80	16.95	1.29	0.12	6.79	-128.1	7.06
25 min	21.82	17.41	1.30	0.11	6.79	-127.5	5.74
30 min	21.58	17.48	1.30	0.10	6.79	-125.1	6.09
35 min							
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: 12:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	No	Odor	No
Turbidity (> 100 NTU)	17.70	Turbidity (> 100 NTU)	6.09
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:
Start: 11:45
End: 12:15

RAMBOLL

Standard Groundwater Sampling Log

Date	5/1/2024		
Site Name	RACER Hemphill	Weather	Sunny 70s (°F)
Location	Burton, MI	Well #	OBG OSMW-2
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.22	ft.
Depth to Water *	20.12	ft.
Length of Water Column	10.10	ft.
Volume of Water in Well	1.65	gal.(s)
3X Volume of Water in Well	4.94	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: 0.5 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	20.48	22.80	1.14	3.54	6.85	-94.7	16.5
5 min	20.60	17.70	1.18	0.28	6.78	-87.9	8.18
10 min	20.68	16.67	1.20	0.14	6.78	-87.3	7.04
15 min	20.85	17.13	1.19	0.09	6.78	-87.6	5.61
20 min	21.02	17.00	1.20	0.07	6.78	-87.3	6.37
25 min	21.16	17.03	1.19	0.06	6.78	-86.3	8.54
30 min	21.21	17.15	1.19	0.07	6.78	-85.6	13.0
35 min							
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: 13:05

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	16.5	Turbidity (> 100 NTU)	13.0
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:
Start: 12:30
End: 13:00

RAMBOLL

Standard Groundwater Sampling Log

Date	4/30/2024		
Site Name	RACER Hemphill	Weather	Sunny 70s (°F)
Location	Burton, MI	Well #	OBG OSMW-3
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.26	ft.
Depth to Water *	24.00	ft.
Length of Water Column	6.26	ft.
Volume of Water in Well	1.02	gal.(s)
3X Volume of Water in Well	3.06	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: 0.75 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	25.06	16.39	1.25	0.26	7.28	-157.1	11.9
5 min	25.12	14.98	1.28	0.13	7.32	-164.2	0.02
10 min	25.14	14.72	1.29	0.10	7.33	-167.0	2.09
15 min	25.14	14.77	1.30	0.08	7.32	-167.0	1.91
20 min	25.15	14.56	1.30	0.08	7.32	-167.4	1.76
25 min	25.15	15.08	1.30	0.07	7.31	-169.0	0.02
30 min	25.15	14.85	1.29	0.07	7.32	-169.3	1.25
35 min							
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: 15:15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	11.90	Turbidity (> 100 NTU)	1.23
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:14:40
End: 15:10

RAMBOLL

Standard Groundwater Sampling Log

Date	4/30/2024		
Site Name	RACER Hemphill	Weather	Sunny, 60s (°F)
Location	Burton, MI	Well #	OBG OSMW-4
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	27.74	ft.
Depth to Water *	24.23	ft.
Length of Water Column	3.51	ft.
Volume of Water in Well	0.57	gal.(s)
3X Volume of Water in Well	1.72	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	24.24	19.94	2.27	0.45	6.60	-136.4	42.5
5 min	24.24	15.84	2.43	0.12	6.59	-139.5	25.2
10 min	24.24	14.83	2.46	0.05	6.58	-144.0	7.76
15 min	24.24	14.65	2.46	0.04	6.59	-145.5	4.44
20 min	24.24	14.29	2.45	0.03	6.60	-144.1	3.84
25 min	24.24	14.26	2.48	0.03	6.59	-148.8	3.17
30 min	24.24	14.68	2.47	0.02	6.60	-149.7	3.37
35 min							
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: 15:08

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	Slight chemical type odor	Odor	Slight chemical type odor
Turbidity (> 100 NTU)	42.5	Turbidity (> 100 NTU)	3.37
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

Notes:
Purging started 11:05 A
Samples collected 11:45 A

RAMBOLL

Standard Groundwater Sampling Log

Date	4/30/2024		
Site Name	RACER Hemphill	Weather	Sunny, 60s (°F)
Location	Burton, MI	Well #	OBG OS MW-5
Project No.	1940107193	Evacuation Method	Peristaltic
Personnel	KBS/ ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	28.10	ft.
Depth to Water *	24.56	ft.
Length of Water Column	3.54	ft.
Volume of Water in Well	0.58	gal.(s)
3X Volume of Water in Well	1.73	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	24.66	27.19	2.68	1.60	6.60	-117.6	17.4
5 min	24.66	17.00	3.08	0.08	6.54	-122.8	9.81
10 min	24.66	15.81	3.08	0.04	6.51	-125.0	7.57
15 min	24.66	15.59	3.03	0.04	6.51	-129.7	7.04
20 min	24.66	15.64	2.98	0.04	6.51	-130.6	7.09
25 min	24.66	15.62	2.94	0.03	6.49	-131.6	7.07
30 min	24.66	15.51	2.89	0.04	6.45	-131.1	5.77
35 min							
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: 16:22

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear/ black flecks	Color	Clear
Odor	Chemical type odor	Odor	Chemical type odor
Turbidity (> 100 NTU)	17.4	Turbidity (> 100 NTU)	5.77
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

Notes:

EXHIBIT B
GROUNDWATER ANALTICAL DATA

Analytical Laboratory Report

Report ID: S61595.01(01)
Generated on 05/09/2024

Report to

Attention: Clifford Yantz
Ramboll Americas
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): S61595.01-S61595.19
Project: RACER Hemphill Rd Industrial Land
Collected Date(s): 04/29/2024 - 05/01/2024
Submitted Date/Time: 05/01/2024 14:40
Sampled by: Kevin Schneider
P.O. #: PO

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 and acrylonitrile, and 2-chloroethylvinyl 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.
Starred (*) analytes are not NY 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.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.
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.
All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.
For a specific list of accredited analytes, please feel free to contact the laboratory or visit https://www.meritlabs.com/certifications.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
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
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
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
S61595.01	OBG MW-1S	Groundwater	04/29/24 15:20
S61595.02	OBG MW-2S	Groundwater	04/29/24 12:45
S61595.03	OBG MW-2D	Groundwater	04/29/24 13:12
S61595.04	OBG MW-3	Groundwater	04/29/24 16:25
S61595.05	OBG MW-7S	Groundwater	04/29/24 15:35
S61595.06	OBG MW-7D	Groundwater	04/29/24 14:30
S61595.07	OBG MW-6S	Groundwater	04/30/24 10:30
S61595.08	OBG MW-6D	Groundwater	04/30/24 10:45
S61595.09	OBG MW-6D MS	Groundwater	04/30/24 10:45
S61595.10	OBG MW-6D MSD	Groundwater	04/30/24 10:45
S61595.11	OBG OSMW-3	Groundwater	04/30/24 15:15
S61595.12	OBG OSMW-4	Groundwater	04/30/24 15:08
S61595.13	OBG OSMW-5	Groundwater	04/30/24 16:22
S61595.14	Field Blank-050124	Water	05/01/24 09:48
S61595.15	DUP-050124	Groundwater	05/01/24 00:01
S61595.16	OBG MW-5S	Groundwater	05/01/24 09:50
S61595.17	OBG OSMW-1	Groundwater	05/01/24 12:20
S61595.18	OBG OSMW-2	Groundwater	05/01/24 13:05
S61595.19	Trip Blank-050124	Water	05/01/24 00:01

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S61595.01
Sample Tag: OBG MW-1S
Collected Date/Time: 04/29/2024 15:20
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 14:51, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.193	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: 05/02/24 14:54, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.194	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: 05/08/24 20:34, Analyst: KAG

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: S61595.01 (continued)
Sample Tag: OBG MW-1S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 20:34, Analyst: KAG (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	

Analytical Laboratory Report

Lab Sample ID: S61595.02
Sample Tag: OBG MW-2S
Collected Date/Time: 04/29/2024 12:45
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 14:55, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.014	0.002		mg/L	5	7440-38-2	
Barium	0.174	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: 05/02/24 14:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.012	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.174	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: 05/08/24 20:58, Analyst: KAG

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: S61595.02 (continued)
Sample Tag: OBG MW-2S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 20:58, Analyst: KAG (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: S61595.03
Sample Tag: OBG MW-2D
Collected Date/Time: 04/29/2024 13:12
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 14:57, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.023	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: 05/02/24 15:01, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.019	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	Not detected	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 21:22, Analyst: KAG

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: S61595.03 (continued)
Sample Tag: OBG MW-2D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 21:22, Analyst: KAG (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: S61595.04
Sample Tag: OBG MW-3
Collected Date/Time: 04/29/2024 16:25
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:02, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.014	0.002		mg/L	5	7440-38-2	
Barium	0.179	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: 05/02/24 15:04, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.003	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.182	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: 05/08/24 21:46, Analyst: KAG

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: S61595.04 (continued)
Sample Tag: OBG MW-3

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 21:46, Analyst: KAG (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	2	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	

Analytical Laboratory Report

Lab Sample ID: S61595.05
Sample Tag: OBG MW-7S
Collected Date/Time: 04/29/2024 15:35
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:05, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.011	0.002		mg/L	5	7440-38-2	
Barium	0.247	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: 05/02/24 15:14, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.009	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.218	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: 05/08/24 22:10, Analyst: KAG

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: S61595.05 (continued)
Sample Tag: OBG MW-7S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 22:10, Analyst: KAG (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: S61595.06
Sample Tag: OBG MW-7D
Collected Date/Time: 04/29/2024 14:30
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:18, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.030	0.002		mg/L	5	7440-38-2	
Barium	0.086	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: 05/02/24 15:20, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.030	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.085	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: 05/08/24 22:34, Analyst: KAG

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: S61595.06 (continued)
Sample Tag: OBG MW-7D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/08/24 22:34, Analyst: KAG (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	

Analytical Laboratory Report

Lab Sample ID: S61595.07
Sample Tag: OBG MW-6S
Collected Date/Time: 04/30/2024 10:30
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:21, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.005	0.002		mg/L	5	7440-38-2	
Barium	0.122	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: 05/02/24 15:22, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.005	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.122	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: 05/09/24 02:57, Analyst: KAG

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: S61595.07 (continued)
Sample Tag: OBG MW-6S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 02:57, Analyst: KAG (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: S61595.08
Sample Tag: OBG MW-6D
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:06, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.019	0.002		mg/L	5	7440-38-2	
Barium	0.074	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: 05/02/24 15:32, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.017	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.075	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: 05/09/24 03:21, Analyst: KAG

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: S61595.08 (continued)
Sample Tag: OBG MW-6D

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 03:21, Analyst: KAG (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: S61595.09
Sample Tag: OBG MW-6D MS
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
4	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.272	0.002		mg/L	5	7440-38-2	
Barium	0.310	0.005		mg/L	5	7440-39-3	
Lead	0.243	0.003		mg/L	5	7439-92-1	
Selenium	0.267	0.005		mg/L	5	7782-49-2	
Zinc	0.246	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/02/24 15:33, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.270	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.312	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	0.240	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	0.265	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	0.260	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:20, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	47	10		ug/L	1	60-29-7	1
Acetone	51	50		ug/L	1	67-64-1	1
Methyl iodide	49	1		ug/L	1	74-88-4	1
Carbon disulfide	44	5		ug/L	1	75-15-0	1
tert-Methyl butyl ether (MTBE)	51	5		ug/L	1	1634-04-4	1
Acrylonitrile	47	2		ug/L	1	107-13-1	1
2-Butanone (MEK)	52	25		ug/L	1	78-93-3	1
Dichlorodifluoromethane	45	5		ug/L	1	75-71-8	1
Chloromethane	46	5		ug/L	1	74-87-3	1
Vinyl chloride	46	1		ug/L	1	75-01-4	1
Bromomethane	49	5		ug/L	1	74-83-9	1
Chloroethane	48	5		ug/L	1	75-00-3	1
Trichlorofluoromethane	47	1		ug/L	1	75-69-4	1
1,1-Dichloroethene	45	1		ug/L	1	75-35-4	1
Methylene chloride	46	5		ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	45	1		ug/L	1	156-60-5	1

1-Spiked at 50 ug/L

Lab Sample ID: S61595.09 (continued)
Sample Tag: OBG MW-6D MS

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:20, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethane	45	1		ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	47	1		ug/L	1	156-59-2	1
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	1
Chloroform	45	1		ug/L	1	67-66-3	1
Bromochloromethane	50	1		ug/L	1	74-97-5	1
1,1,1-Trichloroethane	46	1		ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	50	50		ug/L	1	108-10-1	1
2-Hexanone	52	50		ug/L	1	591-78-6	1
Carbon tetrachloride	48	1		ug/L	1	56-23-5	1
Benzene	47	1		ug/L	1	71-43-2	1
1,2-Dichloroethane	46	1		ug/L	1	107-06-2	1
Trichloroethene	48	1		ug/L	1	79-01-6	1
1,2-Dichloropropane	47	1		ug/L	1	78-87-5	1
Bromodichloromethane	48	1		ug/L	1	75-27-4	1
Dibromomethane	53	5		ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	47	1		ug/L	1	10061-01-5	1
Toluene	48	1		ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	46	1		ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	49	1		ug/L	1	79-00-5	1
Tetrachloroethene	50	1		ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	37	1		ug/L	1	110-57-6	1
Dibromochloromethane	52	5		ug/L	1	124-48-1	1
1,2-Dibromoethane	51	1		ug/L	1	106-93-4	1
Chlorobenzene	50	1		ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	52	1		ug/L	1	630-20-6	1
Ethylbenzene	50	1		ug/L	1	100-41-4	1
p,m-Xylene*	101	2		ug/L	1		1
o-Xylene	49	1		ug/L	1	95-47-6	1
Styrene	49	1		ug/L	1	100-42-5	1
Isopropylbenzene	51	5		ug/L	1	98-82-8	1
Bromoform	50	1		ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	52	1		ug/L	1	79-34-5	1
1,2,3-Trichloropropane	51	1		ug/L	1	96-18-4	1
n-Propylbenzene	50	1		ug/L	1	103-65-1	1
Bromobenzene	52	1		ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	51	1		ug/L	1	108-67-8	1
tert-Butylbenzene	49	1		ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	50	1		ug/L	1	95-63-6	1
sec-Butylbenzene	49	1		ug/L	1	135-98-8	1
p-Isopropyltoluene	49	5		ug/L	1	99-87-6	1
1,3-Dichlorobenzene	50	1		ug/L	1	541-73-1	1
1,4-Dichlorobenzene	50	1		ug/L	1	106-46-7	1
1,2-Dichlorobenzene	50	1		ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	54	1		ug/L	1	526-73-8	1
n-Butylbenzene	48	1		ug/L	1	104-51-8	1
Hexachloroethane	55	5		ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	53	5		ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	53	5		ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	53	5		ug/L	1	87-61-6	1

1-Spiked at 50 ug/L

Lab Sample ID: S61595.09 (continued)
Sample Tag: OBG MW-6D MS

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:20, Analyst: KAG (continued)

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

1-Spiked at 50 ug/L

Lab Sample ID: S61595.10
Sample Tag: OBG MW-6D MSD
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
4	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:09, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.269	0.002		mg/L	5	7440-38-2	
Barium	0.315	0.005		mg/L	5	7440-39-3	
Lead	0.240	0.003		mg/L	5	7439-92-1	
Selenium	0.265	0.005		mg/L	5	7782-49-2	
Zinc	0.250	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/02/24 15:35, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.279	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.312	0.005		mg/L	5	7440-39-3	
Lead, Dissolved	0.241	0.003		mg/L	5	7439-92-1	
Selenium, Dissolved	0.258	0.005		mg/L	5	7782-49-2	
Zinc, Dissolved	0.254	0.005		mg/L	5	7440-66-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:44, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	47	10		ug/L	1	60-29-7	1
Acetone	Not detected	50		ug/L	1	67-64-1	1
Methyl iodide	48	1		ug/L	1	74-88-4	1
Carbon disulfide	43	5		ug/L	1	75-15-0	1
tert-Methyl butyl ether (MTBE)	51	5		ug/L	1	1634-04-4	1
Acrylonitrile	46	2		ug/L	1	107-13-1	1
2-Butanone (MEK)	50	25		ug/L	1	78-93-3	1
Dichlorodifluoromethane	44	5		ug/L	1	75-71-8	1
Chloromethane	43	5		ug/L	1	74-87-3	1
Vinyl chloride	45	1		ug/L	1	75-01-4	1
Bromomethane	47	5		ug/L	1	74-83-9	1
Chloroethane	46	5		ug/L	1	75-00-3	1
Trichlorofluoromethane	46	1		ug/L	1	75-69-4	1
1,1-Dichloroethene	44	1		ug/L	1	75-35-4	1
Methylene chloride	45	5		ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	44	1		ug/L	1	156-60-5	1

1-Spiked at 50 ug/L

Lab Sample ID: S61595.10 (continued)
Sample Tag: OBG MW-6D MSD

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:44, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethane	44	1		ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	47	1		ug/L	1	156-59-2	1
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	1
Chloroform	45	1		ug/L	1	67-66-3	1
Bromochloromethane	49	1		ug/L	1	74-97-5	1
1,1,1-Trichloroethane	44	1		ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	50	50		ug/L	1	108-10-1	1
2-Hexanone	51	50		ug/L	1	591-78-6	1
Carbon tetrachloride	47	1		ug/L	1	56-23-5	1
Benzene	46	1		ug/L	1	71-43-2	1
1,2-Dichloroethane	46	1		ug/L	1	107-06-2	1
Trichloroethene	47	1		ug/L	1	79-01-6	1
1,2-Dichloropropane	47	1		ug/L	1	78-87-5	1
Bromodichloromethane	48	1		ug/L	1	75-27-4	1
Dibromomethane	53	5		ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	46	1		ug/L	1	10061-01-5	1
Toluene	47	1		ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	46	1		ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	49	1		ug/L	1	79-00-5	1
Tetrachloroethene	49	1		ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	31	1		ug/L	1	110-57-6	1
Dibromochloromethane	51	5		ug/L	1	124-48-1	1
1,2-Dibromoethane	51	1		ug/L	1	106-93-4	1
Chlorobenzene	49	1		ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	51	1		ug/L	1	630-20-6	1
Ethylbenzene	49	1		ug/L	1	100-41-4	1
p,m-Xylene*	98	2		ug/L	1		1
o-Xylene	49	1		ug/L	1	95-47-6	1
Styrene	48	1		ug/L	1	100-42-5	1
Isopropylbenzene	49	5		ug/L	1	98-82-8	1
Bromoform	49	1		ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	51	1		ug/L	1	79-34-5	1
1,2,3-Trichloropropane	50	1		ug/L	1	96-18-4	1
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	1
Bromobenzene	51	1		ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	50	1		ug/L	1	108-67-8	1
tert-Butylbenzene	49	1		ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	50	1		ug/L	1	95-63-6	1
sec-Butylbenzene	48	1		ug/L	1	135-98-8	1
p-Isopropyltoluene	48	5		ug/L	1	99-87-6	1
1,3-Dichlorobenzene	50	1		ug/L	1	541-73-1	1
1,4-Dichlorobenzene	49	1		ug/L	1	106-46-7	1
1,2-Dichlorobenzene	50	1		ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	53	1		ug/L	1	526-73-8	1
n-Butylbenzene	48	1		ug/L	1	104-51-8	1
Hexachloroethane	55	5		ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	51	5		ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	52	5		ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	54	5		ug/L	1	87-61-6	1

1-Spiked at 50 ug/L

Lab Sample ID: S61595.10 (continued)
Sample Tag: OBG MW-6D MSD

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 09:44, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Naphthalene	55	5		ug/L	1	91-20-3	1
2-Methylnaphthalene	55	5		ug/L	1	91-57-6	1

1-Spiked at 50 ug/L

Lab Sample ID: S61595.11
Sample Tag: OBG OSMW-3
Collected Date/Time: 04/30/2024 15:15
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:24, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.019	0.002		mg/L	5	7440-38-2	
Barium	0.179	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: 05/02/24 15:25, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.020	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.176	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: 05/09/24 03:45, Analyst: KAG

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: S61595.11 (continued)
Sample Tag: OBG OSMW-3

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 03:45, Analyst: KAG (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: S61595.12
Sample Tag: OBG OSMW-4
Collected Date/Time: 04/30/2024 15:08
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:26, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.003	0.002		mg/L	5	7440-38-2	
Barium	1.23	0.005		mg/L	5	7440-39-3	
Lead	0.003	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: 05/02/24 15:29, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.002	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	1.20	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: 05/09/24 04:09, Analyst: KAG

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: S61595.12 (continued)
Sample Tag: OBG OSMW-4

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 04:09, Analyst: KAG (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	11	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	8	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	14	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	3	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	6	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	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	62	5		ug/L	1	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S61595.13
Sample Tag: OBG OSMW-5
Collected Date/Time: 04/30/2024 16:22
Matrix: Groundwater
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:46, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	2.59	0.005		mg/L	5	7440-39-3	
Lead	0.005	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: 05/02/24 15:50, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	2.55	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: 05/09/24 04:33, Analyst: KAG

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: S61595.13 (continued)
Sample Tag: OBG OSMW-5

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 04:33, Analyst: KAG (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	6	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	4	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: S61595.14
Sample Tag: Field Blank-050124
Collected Date/Time: 05/01/2024 09:48
Matrix: Water
COC Reference: 171056

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/06/24 10:00	CCM	

Metals

Method: E200.8, Run Date: 05/06/24 11:37, 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: 05/09/24 02:09, Analyst: KAG

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: S61595.14 (continued)
Sample Tag: Field Blank-050124

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 02:09, Analyst: KAG (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: S61595.15
Sample Tag: DUP-050124
Collected Date/Time: 05/01/2024 00:01
Matrix: Groundwater
COC Reference: 171048

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:53, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.008	0.002		mg/L	5	7440-38-2	
Barium	1.03	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: 05/02/24 15:55, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.007	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.985	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: 05/09/24 04:56, Analyst: KAG

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: S61595.15 (continued)
Sample Tag: DUP-050124

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 04:56, Analyst: KAG (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	3	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	1	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: S61595.16
Sample Tag: OBG MW-5S
Collected Date/Time: 05/01/2024 09:50
Matrix: Groundwater
COC Reference: 171048

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 15:58, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.008	0.002		mg/L	5	7440-38-2	
Barium	0.995	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: 05/02/24 16:00, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.006	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.975	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: 05/09/24 05:20, Analyst: KAG

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: S61595.16 (continued)
Sample Tag: OBG MW-5S

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 05:20, Analyst: KAG (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	3	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	1	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: S61595.17
Sample Tag: OBG OSMW-1
Collected Date/Time: 05/01/2024 12:20
Matrix: Groundwater
COC Reference: 171048

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 16:03, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.043	0.002		mg/L	5	7440-38-2	
Barium	0.829	0.005		mg/L	5	7440-39-3	
Lead	0.015	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: 05/02/24 16:06, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.028	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.756	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: 05/09/24 05:44, Analyst: KAG

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: S61595.17 (continued)
Sample Tag: OBG OSMW-1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 05:44, Analyst: KAG (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	

Analytical Laboratory Report

Lab Sample ID: S61595.18
Sample Tag: OBG OSMW-2
Collected Date/Time: 05/01/2024 13:05
Matrix: Groundwater
COC Reference: 171048

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	125ml Plastic	HNO3	Yes	2.6	IR
3	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	
Metal Digestion	Completed	SW3015A	05/02/24 13:50	CCM	

Metals

Method: E200.8, Run Date: 05/02/24 16:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.045	0.002		mg/L	5	7440-38-2	
Barium	0.227	0.005		mg/L	5	7440-39-3	
Lead	0.005	0.003		mg/L	5	7439-92-1	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Zinc	0.020	0.005		mg/L	5	7440-66-6	

Method: E200.8, Run Date: 05/02/24 16:10, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.039	0.002		mg/L	5	7440-38-2	
Barium, Dissolved	0.215	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: 05/09/24 06:08, Analyst: KAG

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: S61595.18 (continued)
Sample Tag: OBG OSMW-2

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 06:08, Analyst: KAG (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	

Analytical Laboratory Report

Lab Sample ID: S61595.19
Sample Tag: Trip Blank-050124
Collected Date/Time: 05/01/2024 00:01
Matrix: Water
COC Reference: 171048

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	05/09/24 12:25	NDK	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 02:33, Analyst: KAG

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: S61595.19 (continued)
Sample Tag: Trip Blank-050124

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 05/09/24 02:33, Analyst: KAG (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: S61595
Client: RAMBOLL (Ramboll Americas - Michigan)
Project: RACER Hemphill Rd Industrial Land
Submitted: 05/01/2024 14:40 Login User: BJB

Attention: Clifford Yantz
Address: Ramboll Americas
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 2.6
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.	[ ] Yes	[X] No	[ ] N/A	Sample tag on bottles match COC	.01 - Bottle says MW-1
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	[X] No	[ ] 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: S61595 Submitted: 05/01/2024 14:40
Client: RAMBOLL (Ramboll Americas - Michigan)
Project: RACER Hemphill Rd Industrial Land

Initial Preservation Check: 05/01/2024 16:48 BJB
Preservation Recheck (E200.8): 05/07/2024 09:23 MMC

Attention: Clifford Yantz
Address: Ramboll Americas
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
S61595.01	125ml Plastic HNO3	<2			
S61595.01	125ml Plastic HNO3	<2			
S61595.02	125ml Plastic HNO3	<2			
S61595.02	125ml Plastic HNO3	<2			
S61595.03	125ml Plastic HNO3	<2			
S61595.03	125ml Plastic HNO3	<2			
S61595.04	125ml Plastic HNO3	<2			
S61595.04	125ml Plastic HNO3	<2			
S61595.05	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975
S61595.05	125ml Plastic HNO3	<2			
S61595.06	125ml Plastic HNO3	<2			
S61595.06	125ml Plastic HNO3	<2			
S61595.07	125ml Plastic HNO3	<2			
S61595.07	125ml Plastic HNO3	<2			
S61595.08	125ml Plastic HNO3	<2			
S61595.08	125ml Plastic HNO3	<2			
S61595.09	125ml Plastic HNO3	<2			
S61595.09	125ml Plastic HNO3	<2			
S61595.10	125ml Plastic HNO3	<2			
S61595.10	125ml Plastic HNO3	<2			
S61595.11	125ml Plastic HNO3	<2			
S61595.11	125ml Plastic HNO3	<2			
S61595.12	125ml Plastic HNO3	5	0.5	<2	Lot# 2023071975
S61595.12	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975
S61595.13	125ml Plastic HNO3	<2			
S61595.13	125ml Plastic HNO3	<2			
S61595.14	125ml Plastic HNO3	<2			
S61595.15	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975
S61595.15	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975

Merit Laboratories Bottle Preservation Check

Lab Set ID: S61595 Submitted: 05/01/2024 14:40
Client: RAMBOLL (Ramboll Americas - Michigan)
Project: RACER Hemphill Rd Industrial Land

Initial Preservation Check: 05/01/2024 16:48 BJB
Preservation Recheck (E200.8): 05/07/2024 09:23 MMC

Attention: Clifford Yantz
Address: Ramboll Americas
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
S61595.16	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975
S61595.16	125ml Plastic HNO3	7	0.5	<2	Lot# 2023071975
S61595.17	125ml Plastic HNO3	<2			
S61595.17	125ml Plastic HNO3	<2			
S61595.18	125ml Plastic HNO3	<2			
S61595.18	125ml Plastic HNO3	<2			

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

171056

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2096 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com Kevin.Schneider@Ramboll.com
P.O. NO.:
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 ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ 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
61595.01	4/29/24	1520	OBG MW-1S	GW	5		3	2					X	X	X
.02	4/29/24	1245	OBG MW-2S	GW	5		3	2					X	X	X
.03	4/29/24	1312	OBG MW-2D	GW	5		3	2					X	X	X
.04	4/29/24	1625	OBG MW-3	GW	5		3	2					X	X	X
.05	4/29/24	1535	OBG MW-7S	GW	5		3	2					X	X	X
.06	4/29/24	1420	OBG MW-7D	GW	5		3	2					X	X	X
.07	4/30/24	1030	OBG MW-6S	GW	5		3	2					X	X	X
.08/.09/.10	4/30/24	1045	OBG MW-6D (MS/MSD)	GW	17		11	6					X	X	X
.11	4/30/24	1515	OBG OSMW-3	GW	5		3	2					X	X	X
.12	4/30/24	1508	OBG OSMW-4	GW	5		3	2					X	X	X
.13	4/30/24	1622	OBG OSMW-5	GW	5		3	2					X	X	X
.14	5/1/24	948	Field Blank-050124	QC	1		3	1					X	X	

Dissolved Metals were field filtered

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X ☒ Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1732	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 14:40	
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ball	DATE 5/1/2024	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 2.6

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

171048

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yeatz / 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.Yeatz@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 ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ 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

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	Special Instructions
61545.15	5/1/24	—	DUP-050124	GW	5		3	2					X	X	X	Dissolved metals
.16	5/1/24	950	OBG MW-55	GW	5		3	2					X	X	X	were field Filtered
.17	5/1/24	1220	OBG OSMW-1	GW	5		3	2					X	X	X	
.18	5/1/24	1305	OBG OSMW-2	GW	5		3	2					X	X	X	
.19	5/1/24	—	Trip Blank-050124	QC	1		1						X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1370	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 19:48	
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ball	DATE 5/1/2024	TIME 1440	

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL 2.6
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

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

Rev. 1.26.22

Quality Control Report

Report ID: QC-S61595-01
Generated on 05/09/2024

Report to

Attention: Clifford Yantz
Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S61595.01-S61595.19
Project: RACER Hemphill Rd Industrial Land
Submitted Date/Time: 05/01/2024 14:40
Sampled by: Kevin Schneider
P.O. #: PO

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: S61595.01
Sample Tag: OBG MW-1S
Collected Date/Time: 04/29/2024 15:20
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 14:51	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 14:51	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 14:51	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 14:51	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 14:51	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 20:34	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S61595.02
Sample Tag: OBG MW-2S
Collected Date/Time: 04/29/2024 12:45
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 14:55	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 14:55	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 14:55	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 14:55	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 14:55	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 20:58	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S61595.03
Sample Tag: OBG MW-2D
Collected Date/Time: 04/29/2024 13:12
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 14:57	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 14:57	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 14:57	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 14:57	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 14:57	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 21:22	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S61595.04
Sample Tag: OBG MW-3
Collected Date/Time: 04/29/2024 16:25
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:02	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:02	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:02	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:02	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:02	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 21:46	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

Lab Sample ID: S61595.05

Sample Tag: OBG MW-7S

Collected Date/Time: 04/29/2024 15:35

Matrix: Groundwater

COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:05	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:05	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:05	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:05	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:05	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 22:10	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S61595.06
Sample Tag: OBG MW-7D
Collected Date/Time: 04/29/2024 14:30
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:18	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:18	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:18	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:18	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:18	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 22:34	240508A9	VF240508W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S61595.07
Sample Tag: OBG MW-6S
Collected Date/Time: 04/30/2024 10:30
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:21	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:21	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:21	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:21	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:21	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:57	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S61595.08
Sample Tag: OBG MW-6D
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:06	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:06	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:06	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:06	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:06	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 03:21	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.09

Sample Tag: OBG MW-6D MS

Collected Date/Time: 04/30/2024 10:45

Matrix: Groundwater

COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:08	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:08	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:08	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:08	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:08	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 09:20	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.10

Sample Tag: OBG MW-6D MSD

Collected Date/Time: 04/30/2024 10:45

Matrix: Groundwater

COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:09	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:09	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:09	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:09	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:09	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 09:44	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.11
Sample Tag: OBG OSMW-3
Collected Date/Time: 04/30/2024 15:15
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:24	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:24	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:24	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:24	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:24	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 03:45	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.12

Sample Tag: OBG OSMW-4

Collected Date/Time: 04/30/2024 15:08

Matrix: Groundwater

COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:26	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:26	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:26	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:26	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:26	MT4-24-0502C	MTD-050224-6	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:09	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.13
Sample Tag: OBG OSMW-5
Collected Date/Time: 04/30/2024 16:22
Matrix: Groundwater
COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:46	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:46	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:46	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:46	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:46	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:33	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.14

Sample Tag: Field Blank-050124

Collected Date/Time: 05/01/2024 09:48

Matrix: Water

COC Reference: 171056

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic	E200.8	05/06/24 11:37	MT4-24-0506A	MTD-050624-2	No	BLK/LCS/MS/MSD
Barium	E200.8	05/06/24 11:37	MT4-24-0506A	MTD-050624-2	No	BLK/LCS/MS/MSD
Lead	E200.8	05/06/24 11:37	MT4-24-0506A	MTD-050624-2	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/06/24 11:37	MT4-24-0506A	MTD-050624-2	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/06/24 11:37	MT4-24-0506A	MTD-050624-2	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:09	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S61595.15
Sample Tag: DUP-050124
Collected Date/Time: 05/01/2024 00:01
Matrix: Groundwater
COC Reference: 171048

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:53	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:53	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:53	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:53	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:53	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:56	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.16

Sample Tag: OBG MW-5S

Collected Date/Time: 05/01/2024 09:50

Matrix: Groundwater

COC Reference: 171048

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 15:58	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 15:58	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 15:58	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 15:58	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 15:58	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 05:20	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.17

Sample Tag: OBG OSMW-1

Collected Date/Time: 05/01/2024 12:20

Matrix: Groundwater

COC Reference: 171048

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 16:03	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 16:03	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 16:03	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 16:03	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 16:03	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 05:44	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.18

Sample Tag: OBG OSMW-2

Collected Date/Time: 05/01/2024 13:05

Matrix: Groundwater

COC Reference: 171048

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Metals						
Arsenic, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Arsenic	E200.8	05/02/24 16:08	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Barium	E200.8	05/02/24 16:08	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Lead	E200.8	05/02/24 16:08	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Selenium	E200.8	05/02/24 16:08	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Zinc	E200.8	05/02/24 16:08	MT4-24-0502C	MTD-050224-7	No	BLK/LCS/MS/MSD
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 06:08	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Lab Sample ID: S61595.19

Sample Tag: Trip Blank-050124

Collected Date/Time: 05/01/2024 00:01

Matrix: Water

COC Reference: 171048

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:33	240508B9	VF240508W3	Yes	BLK/LCS/LCSD/MS/MS

Metals, Prep Batch ID: MTD-050224-6

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.01	Arsenic, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C
S61595.01	Arsenic	E200.8	05/02/24 14:51	MT4-24-0502C
S61595.01	Barium, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C
S61595.01	Barium	E200.8	05/02/24 14:51	MT4-24-0502C
S61595.01	Lead, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C
S61595.01	Lead	E200.8	05/02/24 14:51	MT4-24-0502C
S61595.01	Selenium, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C
S61595.01	Selenium	E200.8	05/02/24 14:51	MT4-24-0502C
S61595.01	Zinc, Dissolved	E200.8	05/02/24 14:54	MT4-24-0502C
S61595.01	Zinc	E200.8	05/02/24 14:51	MT4-24-0502C
S61595.02	Arsenic, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C
S61595.02	Arsenic	E200.8	05/02/24 14:55	MT4-24-0502C
S61595.02	Barium, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C
S61595.02	Barium	E200.8	05/02/24 14:55	MT4-24-0502C
S61595.02	Lead, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C
S61595.02	Lead	E200.8	05/02/24 14:55	MT4-24-0502C
S61595.02	Selenium, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C
S61595.02	Selenium	E200.8	05/02/24 14:55	MT4-24-0502C
S61595.02	Zinc, Dissolved	E200.8	05/02/24 14:56	MT4-24-0502C
S61595.02	Zinc	E200.8	05/02/24 14:55	MT4-24-0502C
S61595.03	Arsenic, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C
S61595.03	Arsenic	E200.8	05/02/24 14:57	MT4-24-0502C
S61595.03	Barium, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C
S61595.03	Barium	E200.8	05/02/24 14:57	MT4-24-0502C
S61595.03	Lead, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C
S61595.03	Lead	E200.8	05/02/24 14:57	MT4-24-0502C
S61595.03	Selenium, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C
S61595.03	Selenium	E200.8	05/02/24 14:57	MT4-24-0502C
S61595.03	Zinc, Dissolved	E200.8	05/02/24 15:01	MT4-24-0502C
S61595.03	Zinc	E200.8	05/02/24 14:57	MT4-24-0502C
S61595.04	Arsenic, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C
S61595.04	Arsenic	E200.8	05/02/24 15:02	MT4-24-0502C
S61595.04	Barium, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C
S61595.04	Barium	E200.8	05/02/24 15:02	MT4-24-0502C
S61595.04	Lead, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C
S61595.04	Lead	E200.8	05/02/24 15:02	MT4-24-0502C
S61595.04	Selenium, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C
S61595.04	Selenium	E200.8	05/02/24 15:02	MT4-24-0502C
S61595.04	Zinc, Dissolved	E200.8	05/02/24 15:04	MT4-24-0502C
S61595.04	Zinc	E200.8	05/02/24 15:02	MT4-24-0502C
S61595.05	Arsenic, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C
S61595.05	Arsenic	E200.8	05/02/24 15:05	MT4-24-0502C
S61595.05	Barium, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C
S61595.05	Barium	E200.8	05/02/24 15:05	MT4-24-0502C
S61595.05	Lead, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C
S61595.05	Lead	E200.8	05/02/24 15:05	MT4-24-0502C
S61595.05	Selenium, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C
S61595.05	Selenium	E200.8	05/02/24 15:05	MT4-24-0502C
S61595.05	Zinc, Dissolved	E200.8	05/02/24 15:14	MT4-24-0502C
S61595.05	Zinc	E200.8	05/02/24 15:05	MT4-24-0502C

Metals, Prep Batch ID: MTD-050224-6 (continued)

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.06	Arsenic, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C
S61595.06	Arsenic	E200.8	05/02/24 15:18	MT4-24-0502C
S61595.06	Barium, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C
S61595.06	Barium	E200.8	05/02/24 15:18	MT4-24-0502C
S61595.06	Lead, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C
S61595.06	Lead	E200.8	05/02/24 15:18	MT4-24-0502C
S61595.06	Selenium, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C
S61595.06	Selenium	E200.8	05/02/24 15:18	MT4-24-0502C
S61595.06	Zinc, Dissolved	E200.8	05/02/24 15:20	MT4-24-0502C
S61595.06	Zinc	E200.8	05/02/24 15:18	MT4-24-0502C
S61595.07	Arsenic, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C
S61595.07	Arsenic	E200.8	05/02/24 15:21	MT4-24-0502C
S61595.07	Barium, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C
S61595.07	Barium	E200.8	05/02/24 15:21	MT4-24-0502C
S61595.07	Lead, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C
S61595.07	Lead	E200.8	05/02/24 15:21	MT4-24-0502C
S61595.07	Selenium, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C
S61595.07	Selenium	E200.8	05/02/24 15:21	MT4-24-0502C
S61595.07	Zinc, Dissolved	E200.8	05/02/24 15:22	MT4-24-0502C
S61595.07	Zinc	E200.8	05/02/24 15:21	MT4-24-0502C
S61595.08	Arsenic, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C
S61595.08	Arsenic	E200.8	05/02/24 15:06	MT4-24-0502C
S61595.08	Barium, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C
S61595.08	Barium	E200.8	05/02/24 15:06	MT4-24-0502C
S61595.08	Lead, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C
S61595.08	Lead	E200.8	05/02/24 15:06	MT4-24-0502C
S61595.08	Selenium, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C
S61595.08	Selenium	E200.8	05/02/24 15:06	MT4-24-0502C
S61595.08	Zinc, Dissolved	E200.8	05/02/24 15:32	MT4-24-0502C
S61595.08	Zinc	E200.8	05/02/24 15:06	MT4-24-0502C
S61595.09	Arsenic, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C
S61595.09	Arsenic	E200.8	05/02/24 15:08	MT4-24-0502C
S61595.09	Barium, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C
S61595.09	Barium	E200.8	05/02/24 15:08	MT4-24-0502C
S61595.09	Lead, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C
S61595.09	Lead	E200.8	05/02/24 15:08	MT4-24-0502C
S61595.09	Selenium, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C
S61595.09	Selenium	E200.8	05/02/24 15:08	MT4-24-0502C
S61595.09	Zinc, Dissolved	E200.8	05/02/24 15:33	MT4-24-0502C
S61595.09	Zinc	E200.8	05/02/24 15:08	MT4-24-0502C
S61595.10	Arsenic, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C
S61595.10	Arsenic	E200.8	05/02/24 15:09	MT4-24-0502C
S61595.10	Barium, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C
S61595.10	Barium	E200.8	05/02/24 15:09	MT4-24-0502C
S61595.10	Lead, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C
S61595.10	Lead	E200.8	05/02/24 15:09	MT4-24-0502C
S61595.10	Selenium, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C
S61595.10	Selenium	E200.8	05/02/24 15:09	MT4-24-0502C
S61595.10	Zinc, Dissolved	E200.8	05/02/24 15:35	MT4-24-0502C

Metals, Prep Batch ID: MTD-050224-6 (continued)

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.10	Zinc	E200.8	05/02/24 15:09	MT4-24-0502C
S61595.11	Arsenic, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C
S61595.11	Arsenic	E200.8	05/02/24 15:24	MT4-24-0502C
S61595.11	Barium, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C
S61595.11	Barium	E200.8	05/02/24 15:24	MT4-24-0502C
S61595.11	Lead, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C
S61595.11	Lead	E200.8	05/02/24 15:24	MT4-24-0502C
S61595.11	Selenium, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C
S61595.11	Selenium	E200.8	05/02/24 15:24	MT4-24-0502C
S61595.11	Zinc, Dissolved	E200.8	05/02/24 15:25	MT4-24-0502C
S61595.11	Zinc	E200.8	05/02/24 15:24	MT4-24-0502C
S61595.12	Arsenic, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C
S61595.12	Arsenic	E200.8	05/02/24 15:26	MT4-24-0502C
S61595.12	Barium, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C
S61595.12	Barium	E200.8	05/02/24 15:26	MT4-24-0502C
S61595.12	Lead, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C
S61595.12	Lead	E200.8	05/02/24 15:26	MT4-24-0502C
S61595.12	Selenium, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C
S61595.12	Selenium	E200.8	05/02/24 15:26	MT4-24-0502C
S61595.12	Zinc, Dissolved	E200.8	05/02/24 15:29	MT4-24-0502C
S61595.12	Zinc	E200.8	05/02/24 15:26	MT4-24-0502C

Metals, Prep Batch ID: MTD-050224-7

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.13	Arsenic, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C
S61595.13	Arsenic	E200.8	05/02/24 15:46	MT4-24-0502C
S61595.13	Barium, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C
S61595.13	Barium	E200.8	05/02/24 15:46	MT4-24-0502C
S61595.13	Lead, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C
S61595.13	Lead	E200.8	05/02/24 15:46	MT4-24-0502C
S61595.13	Selenium, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C
S61595.13	Selenium	E200.8	05/02/24 15:46	MT4-24-0502C
S61595.13	Zinc, Dissolved	E200.8	05/02/24 15:50	MT4-24-0502C
S61595.13	Zinc	E200.8	05/02/24 15:46	MT4-24-0502C
S61595.15	Arsenic, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C
S61595.15	Arsenic	E200.8	05/02/24 15:53	MT4-24-0502C
S61595.15	Barium, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C
S61595.15	Barium	E200.8	05/02/24 15:53	MT4-24-0502C
S61595.15	Lead, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C
S61595.15	Lead	E200.8	05/02/24 15:53	MT4-24-0502C
S61595.15	Selenium, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C
S61595.15	Selenium	E200.8	05/02/24 15:53	MT4-24-0502C
S61595.15	Zinc, Dissolved	E200.8	05/02/24 15:55	MT4-24-0502C
S61595.15	Zinc	E200.8	05/02/24 15:53	MT4-24-0502C
S61595.16	Arsenic, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C
S61595.16	Arsenic	E200.8	05/02/24 15:58	MT4-24-0502C
S61595.16	Barium, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C
S61595.16	Barium	E200.8	05/02/24 15:58	MT4-24-0502C

Metals, Prep Batch ID: MTD-050224-7 (continued)

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.16	Lead, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C
S61595.16	Lead	E200.8	05/02/24 15:58	MT4-24-0502C
S61595.16	Selenium, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C
S61595.16	Selenium	E200.8	05/02/24 15:58	MT4-24-0502C
S61595.16	Zinc, Dissolved	E200.8	05/02/24 16:00	MT4-24-0502C
S61595.16	Zinc	E200.8	05/02/24 15:58	MT4-24-0502C
S61595.17	Arsenic, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C
S61595.17	Arsenic	E200.8	05/02/24 16:03	MT4-24-0502C
S61595.17	Barium, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C
S61595.17	Barium	E200.8	05/02/24 16:03	MT4-24-0502C
S61595.17	Lead, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C
S61595.17	Lead	E200.8	05/02/24 16:03	MT4-24-0502C
S61595.17	Selenium, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C
S61595.17	Selenium	E200.8	05/02/24 16:03	MT4-24-0502C
S61595.17	Zinc, Dissolved	E200.8	05/02/24 16:06	MT4-24-0502C
S61595.17	Zinc	E200.8	05/02/24 16:03	MT4-24-0502C
S61595.18	Arsenic, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C
S61595.18	Arsenic	E200.8	05/02/24 16:08	MT4-24-0502C
S61595.18	Barium, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C
S61595.18	Barium	E200.8	05/02/24 16:08	MT4-24-0502C
S61595.18	Lead, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C
S61595.18	Lead	E200.8	05/02/24 16:08	MT4-24-0502C
S61595.18	Selenium, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C
S61595.18	Selenium	E200.8	05/02/24 16:08	MT4-24-0502C
S61595.18	Zinc, Dissolved	E200.8	05/02/24 16:10	MT4-24-0502C
S61595.18	Zinc	E200.8	05/02/24 16:08	MT4-24-0502C

Metals, Prep Batch ID: MTD-050624-2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.14	Arsenic	E200.8	05/06/24 11:37	MT4-24-0506A
S61595.14	Barium	E200.8	05/06/24 11:37	MT4-24-0506A
S61595.14	Lead	E200.8	05/06/24 11:37	MT4-24-0506A
S61595.14	Selenium	E200.8	05/06/24 11:37	MT4-24-0506A
S61595.14	Zinc	E200.8	05/06/24 11:37	MT4-24-0506A

Organics - Volatiles, Prep Batch ID: VF240508W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.01	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 20:34	240508A9
S61595.02	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 20:58	240508A9
S61595.03	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 21:22	240508A9
S61595.04	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 21:46	240508A9
S61595.05	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 22:10	240508A9
S61595.06	Volatile Organics - DEQ List	SW5030C/8260C	05/08/24 22:34	240508A9

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: VF240508W3

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61595.07	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:57	240508B9
S61595.08	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 03:21	240508B9
S61595.09	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 09:20	240508B9
S61595.10	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 09:44	240508B9
S61595.11	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 03:45	240508B9
S61595.12	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:09	240508B9
S61595.13	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:33	240508B9
S61595.14	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:09	240508B9
S61595.15	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 04:56	240508B9
S61595.16	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 05:20	240508B9
S61595.17	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 05:44	240508B9
S61595.18	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 06:08	240508B9
S61595.19	Volatile Organics - DEQ List	SW5030C/8260C	05/09/24 02:33	240508B9

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.01

Sample Tag: OBG MW-1S

Collected Date/Time: 04/29/2024 15:20

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 20:34, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**106.9**	80.0	124.0
1,2-Dichloroethane-D4		**97.4**	72.0	125.0
Toluene-D8		**96.7**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.02

Sample Tag: OBG MW-2S

Collected Date/Time: 04/29/2024 12:45

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 20:58, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.9**	80.0	124.0
1,2-Dichloroethane-D4		**96.5**	72.0	125.0
Toluene-D8		**97.4**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.03

Sample Tag: OBG MW-2D

Collected Date/Time: 04/29/2024 13:12

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 21:22, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.8**	80.0	124.0
1,2-Dichloroethane-D4		**94.1**	72.0	125.0
Toluene-D8		**96.5**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.04

Sample Tag: OBG MW-3

Collected Date/Time: 04/29/2024 16:25

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 21:46, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.5**	80.0	124.0
1,2-Dichloroethane-D4		**98.9**	72.0	125.0
Toluene-D8		**97.3**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.05

Sample Tag: OBG MW-7S

Collected Date/Time: 04/29/2024 15:35

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 22:10, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**111.1**	80.0	124.0
1,2-Dichloroethane-D4		**101.2**	72.0	125.0
Toluene-D8		**96.4**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.06

Sample Tag: OBG MW-7D

Collected Date/Time: 04/29/2024 14:30

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508A9, Run Date: 05/08/2024 22:34, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.4**	80.0	124.0
1,2-Dichloroethane-D4		**98.0**	72.0	125.0
Toluene-D8		**96.2**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.07

Sample Tag: OBG MW-6S

Collected Date/Time: 04/30/2024 10:30

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 02:57, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.8**	80.0	124.0
1,2-Dichloroethane-D4		**94.3**	72.0	125.0
Toluene-D8		**96.2**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.08

Sample Tag: OBG MW-6D

Collected Date/Time: 04/30/2024 10:45

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 03:21, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.0**	80.0	124.0
1,2-Dichloroethane-D4		**92.4**	72.0	125.0
Toluene-D8		**97.1**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.11

Sample Tag: OBG OSMW-3

Collected Date/Time: 04/30/2024 15:15

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 03:45, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**109.9**	80.0	124.0
1,2-Dichloroethane-D4		**93.6**	72.0	125.0
Toluene-D8		**96.7**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.12

Sample Tag: OBG OSMW-4

Collected Date/Time: 04/30/2024 15:08

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 04:09, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.6**	80.0	124.0
1,2-Dichloroethane-D4		**87.9**	72.0	125.0
Toluene-D8		**96.7**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.13

Sample Tag: OBG OSMW-5

Collected Date/Time: 04/30/2024 16:22

Matrix: Groundwater

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 04:33, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.3**	80.0	124.0
1,2-Dichloroethane-D4		**91.2**	72.0	125.0
Toluene-D8		**95.9**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.14

Sample Tag: Field Blank-050124

Collected Date/Time: 05/01/2024 09:48

Matrix: Water

COC Reference: 171056

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 02:09, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**106.7**	80.0	124.0
1,2-Dichloroethane-D4		**90.4**	72.0	125.0
Toluene-D8		**96.7**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.15

Sample Tag: DUP-050124

Collected Date/Time: 05/01/2024 00:01

Matrix: Groundwater

COC Reference: 171048

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 04:56, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.4**	80.0	124.0
1,2-Dichloroethane-D4		**89.1**	72.0	125.0
Toluene-D8		**95.6**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.16

Sample Tag: OBG MW-5S

Collected Date/Time: 05/01/2024 09:50

Matrix: Groundwater

COC Reference: 171048

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 05:20, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.5**	80.0	124.0
1,2-Dichloroethane-D4		**89.6**	72.0	125.0
Toluene-D8		**96.2**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.17

Sample Tag: OBG OSMW-1

Collected Date/Time: 05/01/2024 12:20

Matrix: Groundwater

COC Reference: 171048

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 05:44, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**109.8**	80.0	124.0
1,2-Dichloroethane-D4		**96.7**	72.0	125.0
Toluene-D8		**97.1**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.18

Sample Tag: OBG OSMW-2

Collected Date/Time: 05/01/2024 13:05

Matrix: Groundwater

COC Reference: 171048

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 06:08, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**108.7**	80.0	124.0
1,2-Dichloroethane-D4		**97.1**	72.0	125.0
Toluene-D8		**95.8**	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S61595.19

Sample Tag: Trip Blank-050124

Collected Date/Time: 05/01/2024 00:01

Matrix: Water

COC Reference: 171048

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 240508B9, Run Date: 05/09/2024 02:33, Matrix: WW, Dilution: 1

Surrogate	Flags	**%Rec**	LCL	UCL
4-Bromofluorobenzene		**107.7**	80.0	124.0
1,2-Dichloroethane-D4		**92.6**	72.0	125.0
Toluene-D8		**96.1**	89.0	112.0

Organics - Volatiles, Prep Batch ID: VF240508W1

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 240508A9.BLKW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 14:58, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**105.9**	80.0	124.0
1,2-Dichloroethane-D4		**96.7**	72.0	125.0
Toluene-D8		**96.6**	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 12:57, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**103.1**	80.0	124.0
1,2-Dichloroethane-D4		**102.1**	72.0	125.0
Toluene-D8		**98.6**	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 240508A9.LCSDW08A, Parent Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 13:21, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**100.2**	80.0	124.0
1,2-Dichloroethane-D4		**92.7**	72.0	125.0
Toluene-D8		**97.8**	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF240508W3

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

Blank (BLK)

Lab Sample ID: 240508B9.BLKW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 01:45, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**108.8**	80.0	124.0
1,2-Dichloroethane-D4		**93.2**	72.0	125.0
Toluene-D8		**96.8**	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:09, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.1**	80.0	124.0
1,2-Dichloroethane-D4		**92.9**	72.0	125.0
Toluene-D8		**97.7**	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 240508B9.LCSDW08B, Parent Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:33, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**102.2**	80.0	124.0
1,2-Dichloroethane-D4		**91.6**	72.0	125.0
Toluene-D8		**97.2**	89.0	112.0

Matrix Spike (MS)

Lab Sample ID: 240508B9.6159509M, Parent Sample ID: S61595.08

Run in Batch: 240508B9, Run Date: 05/09/2024 09:20, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**104.5**	80.0	124.0
1,2-Dichloroethane-D4		**96.6**	72.0	125.0
Toluene-D8		**97.4**	89.0	112.0

Matrix Spike (MS)

Lab Sample ID: 240508B9.6165311M, Parent Sample ID: S61653.10

Run in Batch: 240508B9, Run Date: 05/09/2024 08:32, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**105.2**	80.0	124.0
1,2-Dichloroethane-D4		**91.2**	72.0	125.0
Toluene-D8		**97.5**	89.0	112.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 240508B9.6159510N, Parent Sample ID: 240508B9.6159509M

Run in Batch: 240508B9, Run Date: 05/09/2024 09:44, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**105.4**	80.0	124.0
1,2-Dichloroethane-D4		**92.7**	72.0	125.0
Toluene-D8		**98.5**	89.0	112.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 240508B9.6165312N, Parent Sample ID: 240508B9.6165311M

Run in Batch: 240508B9, Run Date: 05/09/2024 08:56, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		**107.3**	80.0	124.0
1,2-Dichloroethane-D4		**95.7**	72.0	125.0
Toluene-D8		**97.6**	89.0	112.0

Metals, Prep Batch ID: MTD-050224-6

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

Blank (BLK)

Lab Sample ID: MT4-24-0502C.018.LRB

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 14:48, Prep Date: 05/02/2024, 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: MT4-24-0502C.017.LCS

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 14:44, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		101	85	115
Barium		103	85	115
Lead		103	85	115
Selenium		105	85	115
Zinc		105	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-24-0502C.030.MS, Parent Sample ID: S61595.08

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:08, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		101	75	125
Barium		94	75	125
Lead		97	75	125
Selenium		107	75	125
Zinc		98	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-24-0502C.046.MS, Parent Sample ID: S61595.08

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:33, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Zinc		104	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0502C.031.MSD, Parent Sample ID: MT4-24-0502C.030.MS

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:09, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		100	75	125	1	20
Barium		96	75	125	2	20
Lead		96	75	125	1	20
Selenium		106	75	125	1	20
Zinc		100	75	125	2	20

Metals, Prep Batch ID: MTD-050224-6 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0502C.047.MSD, Parent Sample ID: MT4-24-0502C.046.MS

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:35, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Zinc		102	75	125	2	20

Metals, Prep Batch ID: MTD-050224-7

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

Blank (BLK)

Lab Sample ID: MT4-24-0502C.051.LRB

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:42, Prep Date: 05/02/2024, 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: MT4-24-0502C.050.LCS

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 15:39, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		100	85	115
Barium		103	85	115
Lead		104	85	115
Selenium		101	85	115
Zinc		102	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-24-0502C.072.MS, Parent Sample ID: S61595.18

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 16:12, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Zinc		100	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0502C.073.MSD, Parent Sample ID: MT4-24-0502C.072.MS

Run in Batch: MT4-24-0502C, Run Date: 05/02/2024 16:14, Prep Date: 05/02/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Zinc		99	75	125	1	20

Metals, Prep Batch ID: MTD-050624-2

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

Blank (BLK)

Lab Sample ID: MT4-24-0506A.020.LRB

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 11:30, Prep Date: 05/06/2024, 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: MT4-24-0506A.019.LCS

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 11:22, Prep Date: 05/06/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		97	85	115
Barium		97	85	115
Lead		100	85	115
Selenium		98	85	115
Zinc		97	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-24-0506A.040.MS, Parent Sample ID: S61698.01

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 12:08, Prep Date: 05/06/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		105	75	125
Barium		96	75	125
Lead		100	75	125
Selenium		102	75	125
Zinc		99	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-24-0506A.056.MS, Parent Sample ID: S61623.09

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 12:41, Prep Date: 05/06/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		97	75	125
Barium		94	75	125
Lead		95	75	125
Selenium		97	75	125
Zinc		97	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0506A.041.MSD, Parent Sample ID: MT4-24-0506A.040.MS

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 12:10, Prep Date: 05/06/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		106	75	125	1	20
Barium		96	75	125	0	20
Lead		98	75	125	1	20
Selenium		102	75	125	0	20
Zinc		99	75	125	0	20

Metals, Prep Batch ID: MTD-050624-2 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0506A.057.MSD, Parent Sample ID: MT4-24-0506A.056.MS

Run in Batch: MT4-24-0506A, Run Date: 05/06/2024 12:43, Prep Date: 05/06/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		104	75	125	7	20
Barium		99	75	125	5	20
Lead		96	75	125	1	20
Selenium		99	75	125	2	20
Zinc		102	75	125	4	20

Organics - Volatiles, Prep Batch ID: VF240508W1

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

Blank (BLK)

Lab Sample ID: 240508A9.BLKW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 14:58, Prep Date: 05/08/2024, 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	2.00	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: VF240508W1 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: 240508A9.BLKW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 14:58, Prep Date: 05/08/2024, 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: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 12:57, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		97.1	67.4	121.2
Acetone		92.1	29.9	161.5
Methyl iodide		100.7	68.8	116.4
Carbon disulfide		91.7	63.8	137.4
tert-Methyl butyl ether (MTBE)		105.0	73.2	122.4
Acrylonitrile		94.3	69.9	128.9
2-Butanone (MEK)		99.5	44.0	134.4
Dichlorodifluoromethane		95.8	10.0	222.8
Chloromethane		98.5	23.8	166.5
Vinyl chloride		95.9	43.5	149.1
Bromomethane		105.4	56.8	151.3
Chloroethane		101.2	53.4	149.4
Trichlorofluoromethane		93.5	59.7	151.8
1,1-Dichloroethene		89.2	69.6	139.4
Methylene chloride		95.9	73.3	121.1
trans-1,2-Dichloroethene		94.1	73.6	129.3
1,1-Dichloroethane		95.7	71.5	126.2
cis-1,2-Dichloroethene		98.6	76.6	122.1
Tetrahydrofuran		91.3	59.0	117.9
Chloroform		93.8	78.4	124.0

Organics - Volatiles, Prep Batch ID: VF240508W1 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 12:57, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		100.9	78.2	120.8
1,1,1-Trichloroethane		91.1	79.4	130.9
4-Methyl-2-pentanone (MIBK)		98.8	71.6	125.2
2-Hexanone		100.2	55.4	136.9
Carbon tetrachloride		92.8	72.6	133.0
Benzene		97.0	79.9	124.9
1,2-Dichloroethane		94.8	76.0	126.3
Trichloroethene		96.3	79.7	124.2
1,2-Dichloropropane		98.2	78.6	126.4
Bromodichloromethane		99.7	80.4	128.2
Dibromomethane		102.7	76.9	122.1
cis-1,3-Dichloropropene		102.9	79.8	129.9
Toluene		97.1	79.8	124.5
trans-1,3-Dichloropropene		103.4	74.0	131.3
1,1,2-Trichloroethane		98.0	78.7	123.1
Tetrachloroethene		96.0	74.5	124.5
trans-1,4-Dichloro-2-butene		104.4	68.6	135.4
Dibromochloromethane		103.8	74.6	127.2
1,2-Dibromoethane		100.8	70.3	133.7
Chlorobenzene		99.6	79.2	122.7
1,1,1,2-Tetrachloroethane		102.6	80.3	128.2
Ethylbenzene		98.7	79.5	129.1
p,m-Xylene		98.7	79.4	132.2
o-Xylene		99.5	80.2	131.0
Styrene		101.7	69.5	126.7
Isopropylbenzene		99.1	74.4	121.5
Bromoform		100.5	69.4	128.0
1,1,2,2-Tetrachloroethane		99.5	79.8	126.3
1,2,3-Trichloropropane		96.4	78.3	138.8
n-Propylbenzene		98.7	82.0	130.7
Bromobenzene		100.8	78.7	124.6
1,3,5-Trimethylbenzene		101.2	81.3	128.9
tert-Butylbenzene		97.3	80.7	128.9
1,2,4-Trimethylbenzene		101.7	81.4	130.8
sec-Butylbenzene		98.3	77.4	129.8
p-Isopropyltoluene		98.4	79.8	137.5
1,3-Dichlorobenzene		98.9	77.0	131.3
1,4-Dichlorobenzene		100.3	20.7	137.7
1,2-Dichlorobenzene		101.0	10.0	166.2
1,2,3-Trimethylbenzene		108.9	76.3	124.2
n-Butylbenzene		97.4	80.0	133.3
Hexachloroethane		108.9	23.8	138.1
1,2-Dibromo-3-chloropropane		98.5	21.2	189.4
1,2,4-Trichlorobenzene		104.1	27.4	143.4
1,2,3-Trichlorobenzene		103.3	75.4	131.4
Naphthalene		105.8	32.9	135.8

Organics - Volatiles, Prep Batch ID: VF240508W1 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 12:57, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		103.4	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 240508A9.LCSDW08A, Parent Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 13:21, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		93.5	67.4	121.2	3.7	30.0
Acetone		89.9	29.9	161.5	2.4	30.0
Methyl iodide		95.9	68.8	116.4	4.9	30.0
Carbon disulfide		87.5	63.8	137.4	4.7	30.0
tert-Methyl butyl ether (MTBE)		102.4	73.2	122.4	2.5	30.0
Acrylonitrile		95.6	69.9	128.9	1.3	30.0
2-Butanone (MEK)		97.5	44.0	134.4	2.1	30.0
Dichlorodifluoromethane		92.3	10.0	222.8	3.7	30.0
Chloromethane		95.2	23.8	166.5	3.4	30.0
Vinyl chloride		92.6	43.5	149.1	3.5	30.0
Bromomethane		99.4	56.8	151.3	5.9	30.0
Chloroethane		95.5	53.4	149.4	5.8	30.0
Trichlorofluoromethane		90.3	59.7	151.8	3.4	30.0
1,1-Dichloroethene		86.0	69.6	139.4	3.6	30.0
Methylene chloride		91.9	73.3	121.1	4.3	30.0
trans-1,2-Dichloroethene		90.1	73.6	129.3	4.4	30.0
1,1-Dichloroethane		90.7	71.5	126.2	5.4	30.0
cis-1,2-Dichloroethene		94.2	76.6	122.1	4.5	30.0
Tetrahydrofuran		91.2	59.0	117.9	0.1	30.0
Chloroform		90.4	78.4	124.0	3.7	30.0
Bromochloromethane		97.9	78.2	120.8	3.0	30.0
1,1,1-Trichloroethane		88.1	79.4	130.9	3.3	30.0
4-Methyl-2-pentanone (MIBK)		100.4	71.6	125.2	1.6	30.0
2-Hexanone		102.0	55.4	136.9	1.9	30.0
Carbon tetrachloride		89.7	72.6	133.0	3.3	30.0
Benzene		92.9	79.9	124.9	4.3	30.0
1,2-Dichloroethane		92.6	76.0	126.3	2.3	30.0
Trichloroethene		92.1	79.7	124.2	4.5	30.0
1,2-Dichloropropane		95.2	78.6	126.4	3.1	30.0
Bromodichloromethane		95.5	80.4	128.2	4.3	30.0
Dibromomethane		100.3	76.9	122.1	2.3	30.0
cis-1,3-Dichloropropene		98.9	79.8	129.9	3.9	30.0
Toluene		93.1	79.8	124.5	4.2	30.0
trans-1,3-Dichloropropene		98.3	74.0	131.3	5.0	30.0
1,1,2-Trichloroethane		95.6	78.7	123.1	2.4	30.0
Tetrachloroethene		91.5	74.5	124.5	4.8	30.0
trans-1,4-Dichloro-2-butene		113.3	68.6	135.4	8.3	30.0
Dibromochloromethane		101.5	74.6	127.2	2.2	30.0
1,2-Dibromoethane		100.8	70.3	133.7	0.0	30.0
Chlorobenzene		97.2	79.2	122.7	2.4	30.0

Organics - Volatiles, Prep Batch ID: VF240508W1 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 240508A9.LCSDW08A, Parent Sample ID: 240508A9.LCSW08A

Run in Batch: 240508A9, Run Date: 05/08/2024 13:21, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		99.6	80.3	128.2	2.9	30.0
Ethylbenzene		96.3	79.5	129.1	2.5	30.0
p,m-Xylene		96.6	79.4	132.2	2.2	30.0
o-Xylene		97.0	80.2	131.0	2.6	30.0
Styrene		99.9	69.5	126.7	1.8	30.0
Isopropylbenzene		97.3	74.4	121.5	1.8	30.0
Bromoform		101.9	69.4	128.0	1.4	30.0
1,1,2,2-Tetrachloroethane		100.5	79.8	126.3	1.0	30.0
1,2,3-Trichloropropane		97.9	78.3	138.8	1.5	30.0
n-Propylbenzene		96.9	82.0	130.7	1.9	30.0
Bromobenzene		98.3	78.7	124.6	2.5	30.0
1,3,5-Trimethylbenzene		99.9	81.3	128.9	1.3	30.0
tert-Butylbenzene		96.0	80.7	128.9	1.4	30.0
1,2,4-Trimethylbenzene		99.3	81.4	130.8	2.4	30.0
sec-Butylbenzene		98.0	77.4	129.8	0.3	30.0
p-Isopropyltoluene		98.7	79.8	137.5	0.3	30.0
1,3-Dichlorobenzene		101.1	77.0	131.3	2.2	30.0
1,4-Dichlorobenzene		102.4	20.7	137.7	2.1	30.0
1,2-Dichlorobenzene		102.4	10.0	166.2	1.4	30.0
1,2,3-Trimethylbenzene		109.4	76.3	124.2	0.5	30.0
n-Butylbenzene		99.1	80.0	133.3	1.8	30.0
Hexachloroethane		110.5	23.8	138.1	1.4	30.0
1,2-Dibromo-3-chloropropane		103.9	21.2	189.4	5.4	30.0
1,2,4-Trichlorobenzene		105.6	27.4	143.4	1.4	30.0
1,2,3-Trichlorobenzene		107.8	75.4	131.4	4.2	30.0
Naphthalene		109.7	32.9	135.8	3.7	30.0
2-Methylnaphthalene		108.5	25.5	165.5	4.8	30.0

Organics - Volatiles, Prep Batch ID: VF240508W3

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

Blank (BLK)

Lab Sample ID: 240508B9.BLKW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 01:45, Prep Date: 05/08/2024, 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	2.00	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: VF240508W3 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: 240508B9.BLKW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 01:45, Prep Date: 05/08/2024, 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: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:09, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		96.2	67.4	121.2
Acetone		89.1	29.9	161.5
Methyl iodide		101.9	68.8	116.4
Carbon disulfide		91.2	63.8	137.4
tert-Methyl butyl ether (MTBE)		102.6	73.2	122.4
Acrylonitrile		93.1	69.9	128.9
2-Butanone (MEK)		101.1	44.0	134.4
Dichlorodifluoromethane		98.4	10.0	222.8
Chloromethane		96.8	23.8	166.5
Vinyl chloride		95.4	43.5	149.1
Bromomethane		102.0	56.8	151.3
Chloroethane		97.0	53.4	149.4
Trichlorofluoromethane		94.1	59.7	151.8
1,1-Dichloroethene		90.3	69.6	139.4
Methylene chloride		94.0	73.3	121.1
trans-1,2-Dichloroethene		91.8	73.6	129.3
1,1-Dichloroethane		92.2	71.5	126.2
cis-1,2-Dichloroethene		97.8	76.6	122.1
Tetrahydrofuran		88.8	59.0	117.9
Chloroform		93.4	78.4	124.0

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:09, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		102.7	78.2	120.8
1,1,1-Trichloroethane		92.3	79.4	130.9
4-Methyl-2-pentanone (MIBK)		100.8	71.6	125.2
2-Hexanone		98.4	55.4	136.9
Carbon tetrachloride		97.6	72.6	133.0
Benzene		98.1	79.9	124.9
1,2-Dichloroethane		95.6	76.0	126.3
Trichloroethene		99.5	79.7	124.2
1,2-Dichloropropane		98.2	78.6	126.4
Bromodichloromethane		100.3	80.4	128.2
Dibromomethane		107.7	76.9	122.1
cis-1,3-Dichloropropene		101.0	79.8	129.9
Toluene		98.7	79.8	124.5
trans-1,3-Dichloropropene		98.2	74.0	131.3
1,1,2-Trichloroethane		99.9	78.7	123.1
Tetrachloroethene		101.0	74.5	124.5
trans-1,4-Dichloro-2-butene		103.1	68.6	135.4
Dibromochloromethane		107.7	74.6	127.2
1,2-Dibromoethane		106.0	70.3	133.7
Chlorobenzene		104.9	79.2	122.7
1,1,1,2-Tetrachloroethane		106.1	80.3	128.2
Ethylbenzene		103.5	79.5	129.1
p,m-Xylene		103.6	79.4	132.2
o-Xylene		102.6	80.2	131.0
Styrene		105.8	69.5	126.7
Isopropylbenzene		104.0	74.4	121.5
Bromoform		106.5	69.4	128.0
1,1,2,2-Tetrachloroethane		104.1	79.8	126.3
1,2,3-Trichloropropane		102.0	78.3	138.8
n-Propylbenzene		102.1	82.0	130.7
Bromobenzene		107.8	78.7	124.6
1,3,5-Trimethylbenzene	*	0.5	81.3	128.9
tert-Butylbenzene		101.1	80.7	128.9
1,2,4-Trimethylbenzene		106.3	81.4	130.8
sec-Butylbenzene		101.8	77.4	129.8
p-Isopropyltoluene		102.3	79.8	137.5
1,3-Dichlorobenzene		103.9	77.0	131.3
1,4-Dichlorobenzene		105.4	20.7	137.7
1,2-Dichlorobenzene		106.0	10.0	166.2
1,2,3-Trimethylbenzene		113.3	76.3	124.2
n-Butylbenzene		100.4	80.0	133.3
Hexachloroethane		115.8	23.8	138.1
1,2-Dibromo-3-chloropropane		103.9	21.2	189.4
1,2,4-Trichlorobenzene		109.6	27.4	143.4
1,2,3-Trichlorobenzene		110.8	75.4	131.4
Naphthalene		112.4	32.9	135.8

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:09, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		108.9	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 240508B9.LCSDW08B, Parent Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:33, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		89.0	67.4	121.2	7.8	30.0
Acetone		85.8	29.9	161.5	3.8	30.0
Methyl iodide		94.1	68.8	116.4	7.9	30.0
Carbon disulfide		82.7	63.8	137.4	9.8	30.0
tert-Methyl butyl ether (MTBE)		96.1	73.2	122.4	6.5	30.0
Acrylonitrile		85.7	69.9	128.9	8.4	30.0
2-Butanone (MEK)		93.5	44.0	134.4	7.8	30.0
Dichlorodifluoromethane		88.6	10.0	222.8	10.5	30.0
Chloromethane		88.3	23.8	166.5	9.2	30.0
Vinyl chloride		86.1	43.5	149.1	10.2	30.0
Bromomethane		93.4	56.8	151.3	8.8	30.0
Chloroethane		88.5	53.4	149.4	9.1	30.0
Trichlorofluoromethane		85.0	59.7	151.8	10.2	30.0
1,1-Dichloroethene		82.4	69.6	139.4	9.1	30.0
Methylene chloride		89.1	73.3	121.1	5.3	30.0
trans-1,2-Dichloroethene		85.1	73.6	129.3	7.6	30.0
1,1-Dichloroethane		86.1	71.5	126.2	6.9	30.0
cis-1,2-Dichloroethene		91.3	76.6	122.1	6.8	30.0
Tetrahydrofuran		80.7	59.0	117.9	9.6	30.0
Chloroform		86.2	78.4	124.0	8.0	30.0
Bromochloromethane		95.3	78.2	120.8	7.4	30.0
1,1,1-Trichloroethane		84.0	79.4	130.9	9.4	30.0
4-Methyl-2-pentanone (MIBK)		92.8	71.6	125.2	8.2	30.0
2-Hexanone		93.9	55.4	136.9	4.6	30.0
Carbon tetrachloride		88.5	72.6	133.0	9.8	30.0
Benzene		90.2	79.9	124.9	8.4	30.0
1,2-Dichloroethane		88.1	76.0	126.3	8.2	30.0
Trichloroethene		90.3	79.7	124.2	9.6	30.0
1,2-Dichloropropane		91.5	78.6	126.4	7.0	30.0
Bromodichloromethane		93.3	80.4	128.2	7.2	30.0
Dibromomethane		100.5	76.9	122.1	6.9	30.0
cis-1,3-Dichloropropene		93.5	79.8	129.9	7.7	30.0
Toluene		91.2	79.8	124.5	7.9	30.0
trans-1,3-Dichloropropene		91.4	74.0	131.3	7.2	30.0
1,1,2-Trichloroethane		92.3	78.7	123.1	7.9	30.0
Tetrachloroethene		91.2	74.5	124.5	10.2	30.0
trans-1,4-Dichloro-2-butene		95.4	68.6	135.4	7.8	30.0
Dibromochloromethane		101.5	74.6	127.2	6.0	30.0
1,2-Dibromoethane		98.9	70.3	133.7	6.9	30.0
Chlorobenzene		97.6	79.2	122.7	7.2	30.0

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 240508B9.LCSDW08B, Parent Sample ID: 240508B9.LCSW08B

Run in Batch: 240508B9, Run Date: 05/09/2024 00:33, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		99.4	80.3	128.2	6.6	30.0
Ethylbenzene		95.3	79.5	129.1	8.2	30.0
p,m-Xylene		95.0	79.4	132.2	8.6	30.0
o-Xylene		95.7	80.2	131.0	7.0	30.0
Styrene		97.2	69.5	126.7	8.4	30.0
Isopropylbenzene		95.8	74.4	121.5	8.2	30.0
Bromoform		99.9	69.4	128.0	6.4	30.0
1,1,2,2-Tetrachloroethane		98.4	79.8	126.3	5.6	30.0
1,2,3-Trichloropropane		94.9	78.3	138.8	7.2	30.0
n-Propylbenzene		94.4	82.0	130.7	7.8	30.0
Bromobenzene		99.6	78.7	124.6	7.9	30.0
1,3,5-Trimethylbenzene	*	97.3	81.3	128.9	198.1	30.0
tert-Butylbenzene		93.0	80.7	128.9	8.3	30.0
1,2,4-Trimethylbenzene		96.6	81.4	130.8	9.6	30.0
sec-Butylbenzene		94.3	77.4	129.8	7.7	30.0
p-Isopropyltoluene		96.3	79.8	137.5	6.0	30.0
1,3-Dichlorobenzene		99.4	77.0	131.3	4.4	30.0
1,4-Dichlorobenzene		99.6	20.7	137.7	5.7	30.0
1,2-Dichlorobenzene		99.8	10.0	166.2	6.1	30.0
1,2,3-Trimethylbenzene		106.2	76.3	124.2	6.5	30.0
n-Butylbenzene		94.1	80.0	133.3	6.5	30.0
Hexachloroethane		107.8	23.8	138.1	7.2	30.0
1,2-Dibromo-3-chloropropane		100.4	21.2	189.4	3.5	30.0
1,2,4-Trichlorobenzene		104.1	27.4	143.4	5.2	30.0
1,2,3-Trichlorobenzene		106.4	75.4	131.4	4.1	30.0
Naphthalene		106.3	32.9	135.8	5.6	30.0
2-Methylnaphthalene		104.5	25.5	165.5	4.2	30.0

Matrix Spike (MS)

Lab Sample ID: 240508B9.6159509M, Parent Sample ID: S61595.08

Run in Batch: 240508B9, Run Date: 05/09/2024 09:20, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		94.9	67.4	121.2
Acetone		99.6	29.9	161.5
Methyl iodide		97.9	68.8	116.4
Carbon disulfide		88.1	63.8	137.4
tert-Methyl butyl ether (MTBE)		102.7	73.2	122.4
Acrylonitrile		94.2	69.9	128.9
2-Butanone (MEK)		104.9	44.0	134.4
Dichlorodifluoromethane		90.8	10.0	222.8
Chloromethane		91.9	23.8	166.5
Vinyl chloride		93.0	43.5	149.1
Bromomethane		98.0	56.8	151.3
Chloroethane		95.4	53.4	149.4
Trichlorofluoromethane		94.4	59.7	151.8
1,1-Dichloroethene		90.1	69.6	139.4

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Matrix Spike (MS) (continued)

Lab Sample ID: 240508B9.6159509M, Parent Sample ID: S61595.08

Run in Batch: 240508B9, Run Date: 05/09/2024 09:20, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Methylene chloride		92.0	73.3	121.1
trans-1,2-Dichloroethene		89.3	73.6	129.3
1,1-Dichloroethane		90.4	71.5	126.2
cis-1,2-Dichloroethene		94.8	76.6	122.1
Tetrahydrofuran		88.2	59.0	117.9
Chloroform		90.2	78.4	124.0
Bromochloromethane		99.8	78.2	120.8
1,1,1-Trichloroethane		91.4	79.4	130.9
4-Methyl-2-pentanone (MIBK)		100.5	71.6	125.2
2-Hexanone		103.4	55.4	136.9
Carbon tetrachloride		96.1	72.6	133.0
Benzene		93.6	79.9	124.9
1,2-Dichloroethane		91.5	76.0	126.3
Trichloroethene		95.7	79.7	124.2
1,2-Dichloropropane		94.5	78.6	126.4
Bromodichloromethane		95.7	80.4	128.2
Dibromomethane		106.3	76.9	122.1
cis-1,3-Dichloropropene		93.6	79.8	129.9
Toluene		95.5	79.8	124.5
trans-1,3-Dichloropropene		92.0	74.0	131.3
1,1,2-Trichloroethane		98.1	78.7	123.1
Tetrachloroethene		99.7	74.5	124.5
trans-1,4-Dichloro-2-butene		73.6	68.6	135.4
Dibromochloromethane		104.3	74.6	127.2
1,2-Dibromoethane		103.0	70.3	133.7
Chlorobenzene		100.9	79.2	122.7
1,1,1,2-Tetrachloroethane		103.9	80.3	128.2
Ethylbenzene		99.1	79.5	129.1
p,m-Xylene		100.6	79.4	132.2
o-Xylene		99.0	80.2	131.0
Styrene		98.3	69.5	126.7
Isopropylbenzene		101.4	74.4	121.5
Bromoform		100.8	69.4	128.0
1,1,2,2-Tetrachloroethane		103.8	79.8	126.3
1,2,3-Trichloropropane		101.1	78.3	138.8
n-Propylbenzene		99.1	82.0	130.7
Bromobenzene		103.3	78.7	124.6
1,3,5-Trimethylbenzene		101.6	81.3	128.9
tert-Butylbenzene		97.0	80.7	128.9
1,2,4-Trimethylbenzene		100.4	81.4	130.8
sec-Butylbenzene		97.6	77.4	129.8
p-Isopropyltoluene		98.3	79.8	137.5
1,3-Dichlorobenzene		99.8	77.0	131.3
1,4-Dichlorobenzene		100.8	20.7	137.7
1,2-Dichlorobenzene		100.9	10.0	166.2
1,2,3-Trimethylbenzene		107.2	76.3	124.2

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Matrix Spike (MS) (continued)

Lab Sample ID: 240508B9.6159509M, Parent Sample ID: S61595.08

Run in Batch: 240508B9, Run Date: 05/09/2024 09:20, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
n-Butylbenzene		96.5	80.0	133.3
Hexachloroethane		109.0	23.8	138.1
1,2-Dibromo-3-chloropropane		105.8	21.2	189.4
1,2,4-Trichlorobenzene		105.9	27.4	143.4
1,2,3-Trichlorobenzene		106.4	75.4	131.4
Naphthalene		111.0	32.9	135.8
2-Methylnaphthalene		112.1	25.5	165.5

Matrix Spike (MS)

Lab Sample ID: 240508B9.6165311M, Parent Sample ID: S61653.10

Run in Batch: 240508B9, Run Date: 05/09/2024 08:32, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
tert-Methyl butyl ether (MTBE)		96.8	73.2	122.4
Benzene		91.1	79.9	124.9
Toluene		92.1	79.8	124.5
Ethylbenzene		95.6	79.5	129.1
p,m-Xylene		95.8	79.4	132.2
o-Xylene		94.3	80.2	131.0
1,3,5-Trimethylbenzene		97.4	81.3	128.9
1,2,4-Trimethylbenzene		97.6	81.4	130.8
1,2,3-Trimethylbenzene		102.6	76.3	124.2
Naphthalene		104.8	32.9	135.8
2-Methylnaphthalene		102.7	25.5	165.5

Matrix Spike Duplicate (MSD)

Lab Sample ID: 240508B9.6159510N, Parent Sample ID: 240508B9.6159509M

Run in Batch: 240508B9, Run Date: 05/09/2024 09:44, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		94.8	67.4	121.2	0.1	30.0
Acetone		94.0	29.9	161.5	5.7	30.0
Methyl iodide		95.9	68.8	116.4	2.1	30.0
Carbon disulfide		85.8	63.8	137.4	2.7	30.0
tert-Methyl butyl ether (MTBE)		101.9	73.2	122.4	0.7	30.0
Acrylonitrile		91.8	69.9	128.9	2.6	30.0
2-Butanone (MEK)		99.3	44.0	134.4	5.5	30.0
Dichlorodifluoromethane		88.2	10.0	222.8	2.9	30.0
Chloromethane		86.0	23.8	166.5	6.7	30.0
Vinyl chloride		89.5	43.5	149.1	3.9	30.0
Bromomethane		93.2	56.8	151.3	5.0	30.0
Chloroethane		92.8	53.4	149.4	2.7	30.0
Trichlorofluoromethane		91.3	59.7	151.8	3.3	30.0
1,1-Dichloroethene		87.3	69.6	139.4	3.1	30.0
Methylene chloride		90.1	73.3	121.1	2.1	30.0
trans-1,2-Dichloroethene		87.6	73.6	129.3	2.0	30.0
1,1-Dichloroethane		88.1	71.5	126.2	2.6	30.0
cis-1,2-Dichloroethene		93.1	76.6	122.1	1.8	30.0

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: 240508B9.6159510N, Parent Sample ID: 240508B9.6159509M

Run in Batch: 240508B9, Run Date: 05/09/2024 09:44, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Tetrahydrofuran		86.4	59.0	117.9	2.1	30.0
Chloroform		89.1	78.4	124.0	1.3	30.0
Bromochloromethane		98.7	78.2	120.8	1.1	30.0
1,1,1-Trichloroethane		88.9	79.4	130.9	2.8	30.0
4-Methyl-2-pentanone (MIBK)		100.3	71.6	125.2	0.2	30.0
2-Hexanone		101.8	55.4	136.9	1.6	30.0
Carbon tetrachloride		94.8	72.6	133.0	1.3	30.0
Benzene		92.8	79.9	124.9	0.8	30.0
1,2-Dichloroethane		92.1	76.0	126.3	0.6	30.0
Trichloroethene		94.3	79.7	124.2	1.5	30.0
1,2-Dichloropropane		94.5	78.6	126.4	0.0	30.0
Bromodichloromethane		96.0	80.4	128.2	0.4	30.0
Dibromomethane		105.8	76.9	122.1	0.5	30.0
cis-1,3-Dichloropropene		92.0	79.8	129.9	1.8	30.0
Toluene		93.9	79.8	124.5	1.7	30.0
trans-1,3-Dichloropropene		91.6	74.0	131.3	0.4	30.0
1,1,2-Trichloroethane		97.7	78.7	123.1	0.4	30.0
Tetrachloroethene		97.8	74.5	124.5	1.9	30.0
trans-1,4-Dichloro-2-butene	*	62.7	68.6	135.4	16.0	30.0
Dibromochloromethane		102.5	74.6	127.2	1.7	30.0
1,2-Dibromoethane		102.6	70.3	133.7	0.3	30.0
Chlorobenzene		98.3	79.2	122.7	2.6	30.0
1,1,1,2-Tetrachloroethane		101.8	80.3	128.2	2.0	30.0
Ethylbenzene		97.9	79.5	129.1	1.2	30.0
p,m-Xylene		97.7	79.4	132.2	2.9	30.0
o-Xylene		97.4	80.2	131.0	1.6	30.0
Styrene		96.6	69.5	126.7	1.7	30.0
Isopropylbenzene		98.8	74.4	121.5	2.6	30.0
Bromoform		98.8	69.4	128.0	2.0	30.0
1,1,2,2-Tetrachloroethane		102.0	79.8	126.3	1.7	30.0
1,2,3-Trichloropropane		99.0	78.3	138.8	2.1	30.0
n-Propylbenzene	*	0.1	82.0	130.7	199.5	30.0
Bromobenzene		101.7	78.7	124.6	1.6	30.0
1,3,5-Trimethylbenzene		100.0	81.3	128.9	1.6	30.0
tert-Butylbenzene		97.1	80.7	128.9	0.0	30.0
1,2,4-Trimethylbenzene		100.1	81.4	130.8	0.3	30.0
sec-Butylbenzene		96.1	77.4	129.8	1.5	30.0
p-Isopropyltoluene		96.4	79.8	137.5	2.0	30.0
1,3-Dichlorobenzene		99.1	77.0	131.3	0.7	30.0
1,4-Dichlorobenzene		98.6	20.7	137.7	2.3	30.0
1,2-Dichlorobenzene		99.2	10.0	166.2	1.7	30.0
1,2,3-Trimethylbenzene		106.3	76.3	124.2	0.9	30.0
n-Butylbenzene		95.1	80.0	133.3	1.5	30.0
Hexachloroethane		109.8	23.8	138.1	0.7	30.0
1,2-Dibromo-3-chloropropane		101.1	21.2	189.4	4.6	30.0
1,2,4-Trichlorobenzene		104.1	27.4	143.4	1.8	30.0

Organics - Volatiles, Prep Batch ID: VF240508W3 (continued)

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

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: 240508B9.6159510N, Parent Sample ID: 240508B9.6159509M

Run in Batch: 240508B9, Run Date: 05/09/2024 09:44, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,2,3-Trichlorobenzene		107.2	75.4	131.4	0.7	30.0
Naphthalene		109.9	32.9	135.8	1.1	30.0
2-Methylnaphthalene		110.1	25.5	165.5	1.8	30.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 240508B9.6165312N, Parent Sample ID: 240508B9.6165311M

Run in Batch: 240508B9, Run Date: 05/09/2024 08:56, Prep Date: 05/08/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
tert-Methyl butyl ether (MTBE)		98.1	73.2	122.4	1.4	30.0
Benzene		89.0	79.9	124.9	2.3	30.0
Toluene		90.1	79.8	124.5	2.2	30.0
Ethylbenzene		91.9	79.5	129.1	4.0	30.0
p,m-Xylene		93.0	79.4	132.2	2.9	30.0
o-Xylene		91.0	80.2	131.0	3.5	30.0
1,3,5-Trimethylbenzene		95.4	81.3	128.9	2.1	30.0
1,2,4-Trimethylbenzene		94.6	81.4	130.8	3.2	30.0
1,2,3-Trimethylbenzene		98.3	76.3	124.2	4.3	30.0
Naphthalene		100.2	32.9	135.8	4.5	30.0
2-Methylnaphthalene		100.9	25.5	165.5	1.7	30.0

Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 1 OF 2

171056

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2096 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com Kevin.Schneider@Ramboll.com
P.O. NO.:
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 ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ 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
61595.01	4/29/24	1520	OBG MW-1S	GW	5		3	2					X	X	X
.02	4/29/24	1245	OBG MW-2S	GW	5		3	2					X	X	X
.03	4/29/24	1312	OBG MW-2D	GW	5		3	2					X	X	X
.04	4/29/24	1625	OBG MW-3	GW	5		3	2					X	X	X
.05	4/29/24	1535	OBG MW-7S	GW	5		3	2					X	X	X
.06	4/29/24	1420	OBG MW-7D	GW	5		3	2					X	X	X
.07	4/30/24	1030	OBG MW-6S	GW	5		3	2					X	X	X
.08/.09/.10	4/30/24	1045	OBG MW-6D (MS/MSD)	GW	17		11	6					X	X	X
.11	4/30/24	1515	OBG OSMW-3	GW	5		3	2					X	X	X
.12	4/30/24	1508	OBG OSMW-4	GW	5		3	2					X	X	X
.13	4/30/24	1622	OBG OSMW-5	GW	5		3	2					X	X	X
.14	5/1/24	948	Field Blank-050124	QC	1		3	1					X	X	

Dissolved Metals were field filtered

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X ☒ Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1732	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 14:40	
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ball	DATE 5/1/2024	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 2.6

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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www.meritlabs.com

C.O.C. PAGE # 2 OF 2

171048

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yeatz / 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.Yeatz@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 ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ 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

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	Special Instructions
61545.15	5/1/24	—	DUP-050124	GW	5		3	2					X	X	X	Dissolved metals
.16	5/1/24	950	OBG MW-55	GW	5		3	2					X	X	X	were field Filtered
.17	5/1/24	1220	OBG OSMW-1	GW	5		3	2					X	X	X	
.18	5/1/24	1305	OBG OSMW-2	GW	5		3	2					X	X	X	
.19	5/1/24	—	Trip Blank-050124	QC	1		1						X			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1370	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 19:48	
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Ball	DATE 5/1/2024	TIME 1440	

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL 2.6
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

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

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