December 22, 2015

Mr. James E. Innes
Michigan Department of Environmental Quality
Remediation and Redevelopment Division
Constitution Hall
525 West Allegan Street
Lansing, MI 48909

RE: Groundwater Sampling Report – Semiannual 2015
RACER Trust Hemphill Road Industrial Land, Burton, Michigan
FILE: 15388 / 60778

Dear **Mr. Innes:**

This letter serves as a Summary Report for the semiannual 2015 groundwater sampling events conducted in May and October 2015 at the Revitalizing Auto Communities Environmental Response Trust (RACER Trust) Hemphill Road Industrial Land (HRIL) facility located in Burton, Michigan (Site). Semiannual groundwater sampling was conducted to document groundwater quality for the Site in accordance with the MDEQ-approved Groundwater Investigation Work Plan, dated September 2010.

GROUNDWATER SAMPLING

The semiannual 2015 groundwater sampling was performed utilizing the following sampling protocols:

Prior to sampling, water level measurements were collected from monitoring wells at the Site and the offsite wells. Monitoring well locations are shown on **Figure 1**. Monitoring well construction details are listed on **Table 1** and groundwater elevation data is included on **Table 2**. The groundwater elevations observed during the sampling events are within the historic range of static groundwater measurements for the Site. As reported in the June 2011 Groundwater Investigation Report for the Site, based on the distance between wells and the Site geology, the geologic units observed at the Site do not appear continuous across the Site and do not appear to be connected. Therefore, as previously reported, the groundwater flow direction for the HRIL Site cannot be specifically determined based on groundwater elevations in the monitoring wells and discontinuous geology at the Site.

Groundwater elevations are depicted on **Figure 2** (May 2015) and **Figure 3** (October 2015).

Groundwater samples for the semiannual 2015 sampling events were collected on May 28 and 29, 2015 (1st SA) and October 28, 29 and 30, 2015 (2nd SA). The 1st SA event samples and the 2nd SA event samples were collected from 9 on site monitoring wells and 5 off site monitoring wells. The 9 on site monitoring wells are: OBG MW-1S, OBG MW-2S, OBG MW-2D, OBG MW-3, OBG MW-5, OBG MW-6S, OBG MW-6D, OBG MW-7S and OBG MW-7D. The 5 off site monitoring wells are: OBG OS MW-1, OBG OS MW-2, OBG OS MW-3, OBG OS MW-4 and OBG OS MW-5. A sample was not collected from wells MW-401 and MW-403 (installed by others) based on the screen lengths of these wells being over 10 ft in length. Also, groundwater samples were not collected during either event from OBG MW-4S based on the presence of Light Non-Aqueous Phase Liquid (LNAPL) in this well. Due to the highly viscous LNAPL heavily coating the interface probe of the measuring instrument, it was difficult to acquire an accurate measurement of the LNAPL thickness. Groundwater sampling was performed in accordance with

MDEQ Operational Memorandum No.2-Attachment 5 for low-flow sampling. Low-flow groundwater sampling was performed using polyethylene sample tubing lowered approximately to the midpoint of the well screen and connected to a peristaltic pump. The tubing was then attached to a flow-through cell attached to a physical parameter measurement instrument capable of measuring temperature, conductivity, pH, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Turbidity was also measured with a Hach® colorimeter. After the pump was turned on, the well was purged at a rate that produced less than 0.3 ft of drawdown in the well, confirmed by the measurement of water levels in the monitoring well during purging. These measurements of water quality (*i.e.*, physical parameters) were recorded on a groundwater sampling log. Purging continued until the water quality parameters stabilized (no more than 10% variation) over a 5-minute period. If turbidity readings did not stabilize below readings of 20 NTUs, a dissolved metals sample was collected from the well. Once stabilized, the pumping rate was reduced and the flow-through cell was disconnected. Samples were collected directly into laboratory supplied containers. The sample container selection and preservation techniques followed MDEQ Operational Memorandum No.2-Attachment 4. Groundwater sample logs are included in **Exhibit A**.

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 metals (arsenic, barium, lead, selenium and zinc) by EPA Method 200.8.

Quality Assurance/Quality Control (QA/QC) samples were collected in accordance with MDEQ Operational Memorandum No.2-Attachment 5. QA/QC samples included a blind duplicate, co-located sample; field blank and matrix spike/matrix spike duplicate (MS/MSD) set. One trip blank was submitted with each cooler shipment containing samples collected for VOC analyses.

GROUNDWATER SAMPLING RESULTS

FIRST SEMIANNUAL SAMPLING EVENT- MAY 2015

Analytical results for the first semiannual sampling event (May 2015) indicate VOCs were not detected above method detection limits except at offsite monitoring wells OBG OS MW-4 and OBG OS MW-5. Monitoring well OBG OS MW-4 had the following detections above method detection limits: chlorobenzene (6 µg/l), ethylbenzene (3 µg/l), p,m-Xylene (5 µg/l), o-Xylene (2 µg/l), n-Propylbenzene (6 µg/l), 1,2,4-trimethylbenzene (5 µg/l), sec-Butylbenzene (2 µg/l), 1,3-Dichlorobenzene (4 µg/l), 1,4-Dichlorobenzene (4 µg/l), 1,2,3-trimethylbenzene (3 µg/l) and 2-Methylnaphthalene (39 µg/l). Monitoring well OBG OS MW-5 had the following detections: chlorobenzene (7 µg/l), 1,4-Dichlorobenzene (2 µg/l) and Naphthalene (16 µg/l). These concentrations are below the MDEQ Part 201 Generic Residential Drinking Water criteria. The analytical results for the first semiannual sampling event are summarized on **Table 3** and the groundwater analytical data sheets are included in **Exhibit B**. A figure depicting the May 2015 groundwater results above MDEQ criteria is included as **Figure 4**.

Groundwater analytical results for inorganic analysis indicate selenium and zinc were not detected above the method detection limits or detections were below the MDEQ Part 201 Generic Residential Drinking Water criteria. Turbidity levels at well OBG-MW7S did not stabilize below 20 NTUs, therefore, a groundwater sample for dissolved metals analysis was also collected and analyzed. Historically, turbidity levels at well OBG MW-7S have been above 20 NTUs.

Analytical results for arsenic, barium and lead are as follows:

- Monitoring wells with groundwater concentrations of total arsenic (total unless otherwise noted) above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (10 µg/l) include: onsite wells OBG MW-2S (21 µg/l), OBG MW-2D (28 µg/l), OBG MW-3 (13 µg/l), OBG MW- 6D (17 µg/l), OBG MW-

7S (dissolved -15 µg/l), OBG MW-7D (32 µg/l), and offsite wells OBG OS MW-1 (40 µg/l), OBG OS MW-2 (53 µg/l) and OBG OS MW-3S (21 µg/l).

- Monitoring wells with groundwater concentrations of total lead above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (4 µg/l) include: offsite wells OBG OS MW-2 (7 µg/l), OBG OS MW-3 (5 µg/l) and OBG OS MW-5 (8 µg/l).
- Offsite monitoring well OBG OS MW-5 exhibited a concentration of total barium (2,370 µg/l) above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (2,000 µg/l).

SECOND SEMIANNUAL SAMPLING EVENT- OCTOBER 2015

Analytical results for the second semiannual sampling event (October 2015) indicate VOCs were not detected above method detection limits except at the onsite monitoring well OBG MW-5S, and offsite monitoring wells OBG OS MW-4 and OBG OS MW-5. Onsite monitoring well OBG MW-5S had the following detection: 1, 4-Dichlorobenzene (2 µg/l). Offsite monitoring well OBG OS MW-4 had the following detections: chlorobenzene (7 µg/l), ethylbenzene (2 µg/l), p,m-Xylene (5 µg/l), o-Xylene (2 µg/l), Isopropylbenzene (6 µg/l), n-Propylbenzene (11µg/l), 1,3,5-trimethylbenzene (1 µg/l), 1,2,4-trimethylbenzene (7 µg/l), sec-Butylbenzene (3 µg/l), 1,4-Dichlorobenzene (5 µg/l), 1,2,3-trimethylbenzene (4 µg/l), n-Butylbenzene (1 µg/l), Naphthalene (172 µg/l) and 2-Methylnaphthalene (64 µg/l). Offsite monitoring well OBG OS MW-5 had the following detections: chlorobenzene (10 µg/l), n-Propylbenzene (5 µg/l) and 2-Methylnaphthalene (6 µg/l). These concentrations are below the MDEQ Part 201 Generic Residential Drinking Water criteria. The analytical results for the second semiannual sampling event are summarized on **Table 3** and the groundwater analytical data sheets are included in **Exhibit C**. A figure depicting the October 2015 groundwater results above MDEQ criteria is included as **Figure 5**.

Groundwater results for inorganic analysis indicate selenium and zinc were not detected above method detection limits or detections were below the MDEQ Part 201 Generic Residential Drinking Water criteria. Turbidity levels at wells OBG-MW7S and OBG MW-5S did not stabilize below 20 NTUs, therefore, a groundwater sample for dissolved metals analysis was also collected and analyzed. Historically, turbidity levels at well OBG MW-7S have been above 20 NTUs and turbidity levels at OBG MW-5S fall into a historical range of 15-123 NTUs after purging.

Analytical results for arsenic, barium and lead are as follows:

- Monitoring wells with groundwater concentrations of total arsenic (unless otherwise noted) above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (10 µg/l) include: onsite wells OBG MW-2S (33 µg/l), OBG MW-2D (42 µg/l), OBG MW-3 (12 µg/l), OBG MW-6S (13 µg/l), OBG MW- 6D (15 µg/l), OBG MW-7S (dissolved 22 µg/l), OBG MW-7D (34 µg/l), and offsite wells OBG OS MW-1 (32 µg/l), and OBG OS MW-2 (57 µg/l).
- Monitoring wells with groundwater concentrations of total lead above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (4 µg/l) include offsite wells: OBG OS MW-2 (8 µg/l), OBG OS MW-3 (6 µg/l) and OBG OS MW-5 (13 µg/l).
- Offsite monitoring well OBG OS MW-5 exhibited a concentration of total barium (2,220 µg/l) above the MDEQ Part 201 Generic Residential and Non-Residential Drinking Water criterion (2,000 µg/l).

Review of the groundwater analytical data for both semiannual sampling events indicates groundwater compound concentrations at offsite wells (OBG OS MW-4 and OBG OS MW-5) are mostly different than those detected at the HRIL Site. Therefore, it is likely the impacted groundwater at the HRIL Site is not the source for groundwater impact offsite to the east.

PROPOSED FUTURE GROUNDWATER MONITORING

A seminannual groundwater sampling program is proposed for 2016. The groundwater sampling program will include collection of samples from the onsite groundwater well network at the HRIL site, as well as offsite wells (OBG OS MW-1, OBG OS MW-2, OBG OS MW-3, OBG OS MW-4, and OBG OS MW-5). Groundwater samples will be analyzed for VOCs by EPA Method 8260, and total metals (arsenic, barium, lead, and selenium) by EPA Method 200.8. In accordance with the MDEQ-approved Work Plan, if turbidity levels do not stabilize below 20 NTUs, a sample will also be collected and analyzed for dissolved metals.

In proceeding with project closure and pending the groundwater monitoring results for the first groundwater sampling event in 2016, RACER Trust intends to prepare a Response Activity Plan (RAP) for the HRIL Site in 2016. The RAP is intended to address the following conditions at the HRIL Site: lead impacted shallow subsurface soil at the southern end of the property, VOCs and inorganics above MDEQ criterion in site-wide groundwater, and LNAPL observed at the southeastern portion of the HRIL Site.

If you have questions or would like additional information, please contact David Favero at (914) 304-1672 or Tony Finch at (248) 477-5701 ext. 14.

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.

Brian E. White, PE
Vice President

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.

Anthony J. Finch, CPG
Senior Project Geologist

cc: David Favero- RACER Trust

ATTACHMENTS:

Table 1- Monitoring Well Construction Details
Table 2- Groundwater Elevation Data
Table 3- Groundwater Analytical Results- May 2015 and October 2015

Figure 1- Monitoring Well Locations
Figure 2- Groundwater Elevations – May 2015
Figure 3- Groundwater Elevations – October 2015
Figure 4- Groundwater Analytical Results- May 2015
Figure 5- Groundwater Analytical Results- October 2015

Exhibit A- Groundwater Sampling Logs – May 2015 & October 2015
Exhibit B- Groundwater Analytical Data May 2015 and October 2015
Exhibit C- Groundwater Analytical Data October 2015

TABLES

Table 1
Hemphill Road Industrial Land - Burton, Michigan
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
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	769.7	772.70	2	758.6-753.6	760.6-752.6
OBG MW-6D	1-Dec-10	O'Brien & Gere / Boart Longyear	44.40	769.7	772.69	2	733.29-728.29	735.29-727.29
OBG MW-7S	2-Dec-10	O'Brien & Gere / Boart Longyear	17.70	763.6	766.30	2	753.6-748.6	755.6-747.6
OBG MW-7D	2-Dec-10	O'Brien & Gere / Boart Longyear	47.80	763.6	766.36	2	723.56-718.56	725.56-717.56
OBG OS MW-1	11-Nov-13	O'Brien & Gere / Cascade	30.15	774.1	776.57	2	756.42-746.42	754.42-745.42
OBG OS MW-2	11-Nov-13	O'Brien & Gere / Cascade	30.29	774.0	776.67	2	756.38-746.38	754.38-744.42
OBG OS MW-3	9-Jun-14	O'Brien & Gere / Cascade	30.29	779.8	782.89	2	762.59-752.59	764.59-751.59
OBG OS MW-4	9-Jun-14	O'Brien & Gere / Cascade	27.76	776.1	779.00	2	761.20-751.20	763.20-750.20
OBG OS MW-5	10-Jun-14	O'Brien & Gere / Cascade	28.15	776.4	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.

Table 2
Hemphill Road Industrial Land - Burton, Michigan
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)	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)
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	13.18	764.46	12.28	765.36	13.60	764.04
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	11.03	764.30	9.76	765.57	11.48	763.85
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	21.26	753.93	20.57	754.62	21.28	753.91
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	22.87	754.44	22.77	754.54	22.78	754.53
OBG MW-4S	769.15	--	--	--	--	14.30	754.85	14.55	754.60	14.52	754.63	14.6	754.57	14.35	754.80	--	--
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	15.93	755.07	15.47	755.53	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	14.62	758.08	12.42	760.28	14.94	757.76
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	18.96	753.73	18.04	754.65	19.21	753.48
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	8.37	757.93	7.26	759.04	8.85	757.45
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	13.73	752.63	12.95	753.41	13.93	752.43
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
Hemphill Road Industrial Land - Burton, Michigan
Groundwater Elevation Data

Well	Top of Casing Elevation (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)	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	--	--	12.69	764.95	--	--	--	--	12.44	765.20	12.64	765.00	12.75	764.89
OBG MW-2S	775.33	--	--	10.32	765.01	--	--	--	--	10.29	765.04	10.59	764.74	10.77	764.56
OBG MW-2D	775.19	--	--	20.21	754.98	--	--	--	--	20.42	754.77	19.90	755.29	19.94	755.25
OBG MW-3 **	777.31	--	--	22.73	754.58	--	--	--	--	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	--	--	15.59	755.41	--	--	--	--	15.84	755.16	15.61	755.39	15.40	755.60
OBG MW-6S	772.70	--	--	13.79	758.91	--	--	--	--	14.49	758.21	14.22	758.48	14.72	757.98
OBG MW-6D	772.69	--	--	18.10	754.59	--	--	--	--	18.06	754.63	17.54	755.15	17.70	754.99
OBG MW-7S	766.30	--	--	7.81	758.49	--	--	--	--	8.37	757.93	8.25	758.05	8.43	757.87
OBG MW-7D	766.36	--	--	12.64	753.72	--	--	--	--	12.91	753.45	12.35	754.01	12.44	753.92
OBG OS MW-1	776.57	22.10	754.47	--	--	--	--	--	--	22.17	754.40	21.95	754.62	22.24	754.33
OBG OS MW-2	776.67	21.43	755.24	--	--	--	--	--	--	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 3
Hemphill Road Industrial Land- Burton, Michigan
Groundwater Analytical Results- May 2015

	Onsite Wells									Offsite Wells					MDEQ Part 201 Generic Criteria	
Monitoring Well Sample Date	OBG MW-1S 5/28/2015	OBG MW-2S 5/28/2015	OBG MW-2D 5/28/2015	OBG MW-3 5/28/2015	OBG MW-5S 5/29/2015	OBG MW-6S 5/28/2015	OBG MW-6D 5/28/2015	OBG MW-7S[2] 5/28/2015	OBG MW-7D 5/28/2015	OBG OS-MW-1 5/29/2015	OBG OS-MW-2 5/29/2015	OBG OS-MW-3 5/29/2015	OBG OS-MW-4 5/29/2015	OBG OS-MW-5 5/29/2015	Residential Drinking Water	Non-Residential Drinking Water
Arsenic	< 2	**21**	**28**	**13**	3	6	**17**	**15**	**32**	**40**	**53**	**21**	2	<2	**10 (A)**	**10 (A)**
Barium	151	169	292	116	1320	148	82	236	96	907	264	226	1320	**2370**	2,000 (A)	2,000 (A)
Lead	< 3	<3	<3	<3	<3	<3	<3	<3	<3	<3	**7**	**5**	3	**8**	4.0 (L)	4.0 (L)
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)
Zinc	< 5	7	9	<5	9	<5	7	<5	7	<5	22	10	5	19	2,400	5,000 (E)
Diethyl ether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 (E)	10 (E)
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	730	2,100
Methyl iodide	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	800	2,300
tert-Methyl butyl ether (MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	40 (E)	40 (E)
Acrylonitrile	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.6	11
2-Butanone (MEK)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	13,000	38,000
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1,700	4,800
Chloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	260	1,100
Vinyl chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.0 (A)	2.0 (A)
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	29
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	430	1700
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2,600	7,300
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7 (A)	7 (A)
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 (A)	5 (A)
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	100 (A)	100 (A)
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	880	2,500
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	70 (A)	70 (A)
Tetrahydrofuran	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	95	270
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	200 (A)	200 (A)
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1,800	5,200
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1,000	2,900
Carbon tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
Dibromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	80	230
cis-1,3-Dichloropropene[3]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	790 (E)	790 (E)
trans-1,3-Dichloropropene[3]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.0 (A)	5.0 (A)
Tetrachloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.0 (A)	5.0 (A)
trans-1,4-Dichloro-2-butene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	80 (A,W)	80 (A,W)
1,2-Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.05 (A)	0.05 (A)
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6	7	100 (A)	100 (A)
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	77	320
Ethlybenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1	74 (E)	74 (E)
p,m-Xylene[4]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	5	< 2	280 (E)	280 (E)
o-Xylene[4]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1	280 (E)	280 (E)
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	100 (A)	100 (A)
Isopropylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	800	2,300
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	42	120
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6	< 1	80	230
Bromobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	18	50
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	72 (E)	72 (E)
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80	230
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5	< 1	63 (E)	63 (E)
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1	80	230
p-Isopropyltoluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	NA
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	< 1	6.6	19
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	2	75 (A)	75 (A)
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	600 (A)	600 (A)
1,2,3-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1	NA	NA
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80	230
Hexachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.3	21
1,2-Dibromo-3-chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.2 (A)	0.2 (A)
1,2,4-Trichlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	70 (A)	70 (A)
1,2,3-Trichlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	NA
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	139	16	520	1500
2-Methylnaphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	39	< 5	260	750

Notes:

1 Units are ug/L.
2 Metals analysis for OS-MW7S is for dissolved metals.
3 Critria are for total 1,3-Dichloropropene, values for cis and trans should be summed and compared against the appropriate criterion.
4 Critria are for total xylenes, values for p,m- and o- should be summed and compared against the appropriate criterion.
5 Bolded and highlighted value denotes an analytical value that exceeds criteria or a criterion that has been exceeded.
6 (A) - Criterion is the state of Michigan drinking water standard established pursuant toSection 5 of 1976 PA 399, MCL 325.1005.
7 (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, asamended (NREPA).
8 (L) - Criteria for lead are derived using a biologically based model, as allowed forunder Section 20120a(9) of the NREPA.
9 (W) - Concentrations of trihalomethanes in groundwater shall be added together todetermine compliance with the Michigan drinking water standard of 80 ug/L.
10 'na' - means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

Table 3
Hemphill Road Industrial Land- Burton, Michigan
Groundwater Analytical Results- May 2015

	Onsite Wells									Offsite Wells					MDEQ Part 201 Generic Criteria	
Monitoring Well Sample Date	OBG MW-1S 10/28/2015	OBG MW-2S 10/29/2015	OBG MW-2D 10/29/2015	OBG MW-3 10/28/2015	OBG MW-5S 10/29/2015	OBG MW-6S 10/29/2015	OBG MW-6D 10/29/2015	OBG MW-7S[2] 10/28/2015	OBG MW-7D 10/29/2015	OBG OS-MW-1 10/30/2015	OBG OS-MW-2 10/30/2015	OBG OS-MW-3 10/28/2015	OBG OS-MW-4 10/28/2015	OBG OS-MW-5 10/28/2015	Residential Drinking Water	Non-Residential Drinking Water
Arsenic	4	**33**	**42**	**12**	2	**13**	**15**	**22**	**34**	**32**	**57**	6	2	<2	**10 (A)**	**10 (A)**
Barium	167	178	290	164	1250	178	80	241	99	887	290	1410	1340	**2,220**	**2,000 (A)**	**2,000 (A)**
Lead	< 3	<3	<3	<3	<3	<3	<3	<3	<3	<3	**8**	**6**	<3	**13**	**4.0 (L)**	**4.0 (L)**
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50 (A)	50 (A)
Zinc	< 5	<5	<5	6	<5	<5	13	<5	8	<5	11	13	<5	9	2,400	5,000 (E)
Diethyl ether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 (E)	10 (E)
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	730	2,100
Methyl iodide	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	800	2,300
tert-Methyl butyl ether (MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	40 (E)	40 (E)
Acrylonitrile	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.6	11
2-Butanone (MEK)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	13,000	38,000
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1,700	4,800
Chloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	260	1,100
Vinyl chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.0 (A)	2.0 (A)
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	29
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	430	1700
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2,600	7,300
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7 (A)	7 (A)
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 (A)	5 (A)
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	100 (A)	100 (A)
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	880	2,500
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	70 (A)	70 (A)
Tetrahydrofuran	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 90	95	270
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	200 (A)	200 (A)
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1,800	5,200
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1,000	2,900
Carbon tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5 (A)	5 (A)
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
Dibromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	80	230
cis-1,3-Dichloropropene[3]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	790 (E)	790 (E)
trans-1,3-Dichloropropene[3]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.0 (A)	5.0 (A)
Tetrachloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.0 (A)	5.0 (A)
trans-1,4-Dichloro-2-butene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	80 (A,W)	80 (A,W)
1,2-Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.05 (A)	0.05 (A)
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7	10	100 (A)	100 (A)
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	77	320
Ethlybenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1	74 (E)	74 (E)
p,m-Xylene[4]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	5	< 2	280 (E)	280 (E)
o-Xylene[4]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1	280 (E)	280 (E)
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	100 (A)	100 (A)
Isopropylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	< 5	800	2,300
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80 (A,W)	80 (A,W)
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8.5	35
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	42	120
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	11	5	80	230
Bromobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	18	50
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	72 (E)	72 (E)
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	80	230
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7	< 1	63 (E)	63 (E)
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1	80	230
p-Isopropyltoluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	NA
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.6	19
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5	< 1	75 (A)	75 (A)
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	600 (A)	600 (A)
1,2,3-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	< 1	NA	NA
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	80	230
Hexachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.3	21
1,2-Dibromo-3-chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.2 (A)	0.2 (A)
1,2,4-Trichlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	70 (A)	70 (A)
1,2,3-Trichlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	NA
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	172	< 5	520	1500
2-Methylnaphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	64	6	260	750

Notes:

1 Units are ug/L.
2 Metals analysis for OS-MW7S is for dissolved metals.
3 Critria are for total 1,3-Dichloropropene, values for cis and trans should be summed and compared against the appropriate criterion.
4 Critria are for total xylenes, values for p,m- and o- should be summed and compared against the appropriate criterion.
5 Bolded and highlighted value denotes an analytical value that exceeds criteria or a criterion that has been exceeded.
6 (A) - Criterion is the state of Michigan drinking water standard established pursuant toSection 5 of 1976 PA 399, MCL 325.1005.
7 (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, asamended (NREPA).
8 (L) - Criteria for lead are derived using a biologically based model, as allowed forunder Section 20120a(9) of the NREPA.
9 (W) - Concentrations of trihalomethanes in groundwater shall be added together todetermine compliance with the Michigan drinking water standard of 80 ug/L.
10 'na' - means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

FIGURES

I:\Racer-Trust.15388\60778.Hemphill-Rd-Indl\Docs\Reports\SA GWS report\Figures\001 - Figure 1 - Well Locations.mxd

PLOTDATE: 12/21/15 oneilljm

LEGEND

- MONITORING WELL LOCATION
- FENCE LINE
- HEMPHILL ROAD INDUSTRIAL LAND

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

MONITORING WELL LOCATIONS

N

0 40 80 120 160
Feet

O'BRIEN & GERE

NOVEMBER 2015
15388/50138/005.MXD

I:\Racer Trust.15388\60778.Hemphill Rd Ind\Docs\Reports\SA GWS report\Figures\002 - Figure 2 - GW Elevations (May 2015).mxd

PLOTDATE: 12/21/15 oneilljm

LEGEND

MONITORING WELL
(754.58) (GROUNDWATER ELEVATION IN FEET)

FORMER BUILDING

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

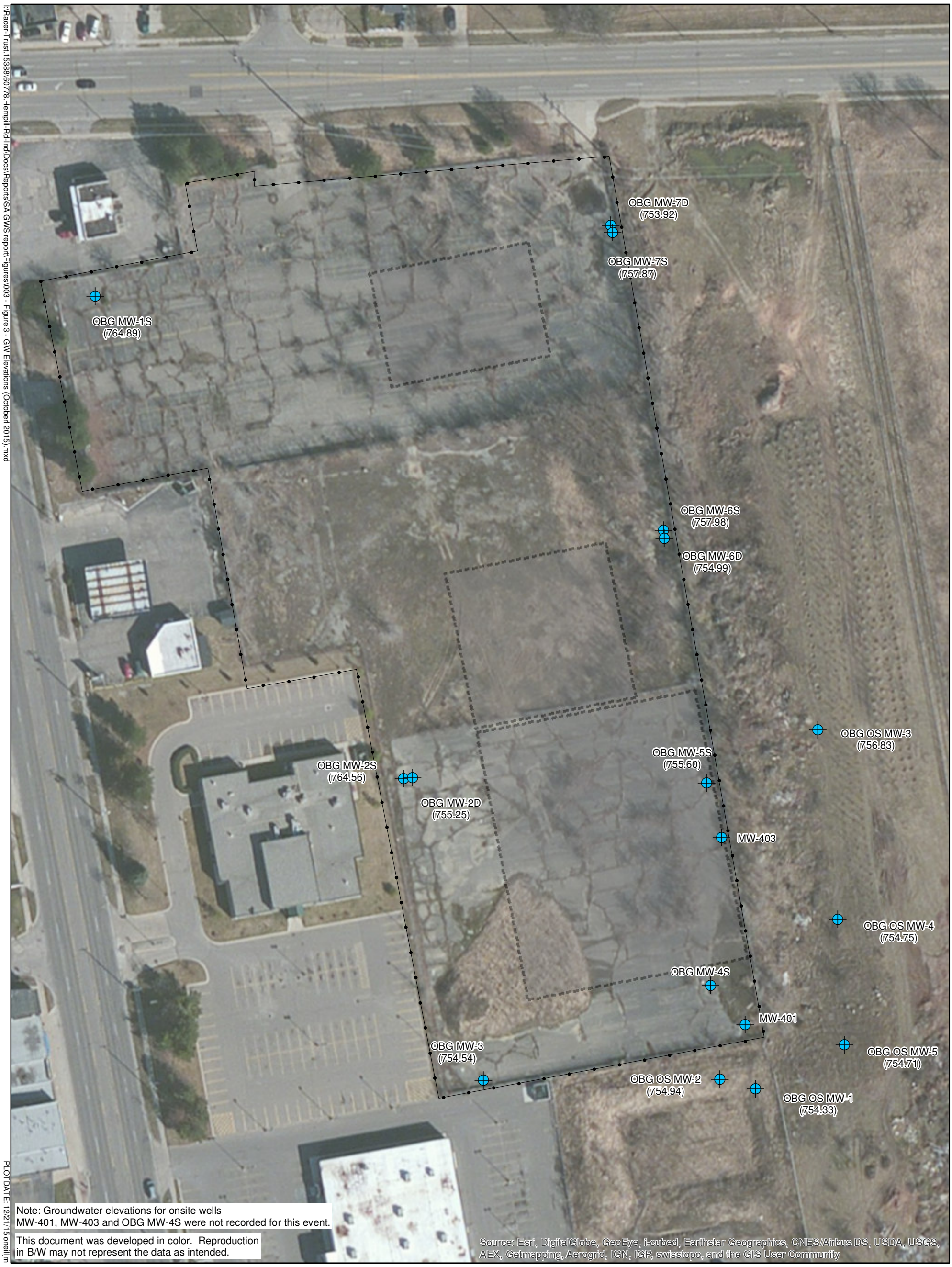
GROUNDWATER ELEVATIONS
MAY 2015

0 40 80 120 160
Feet

N

O'BRIEN & GERE

NOVEMBER 2015
15388/60778/002



LEGEND

- MONITORING WELL (754.58) (GROUNDWATER ELEVATION IN FEET)
- FORMER BUILDING

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

GROUNDWATER ELEVATIONS
OCTOBER 2015

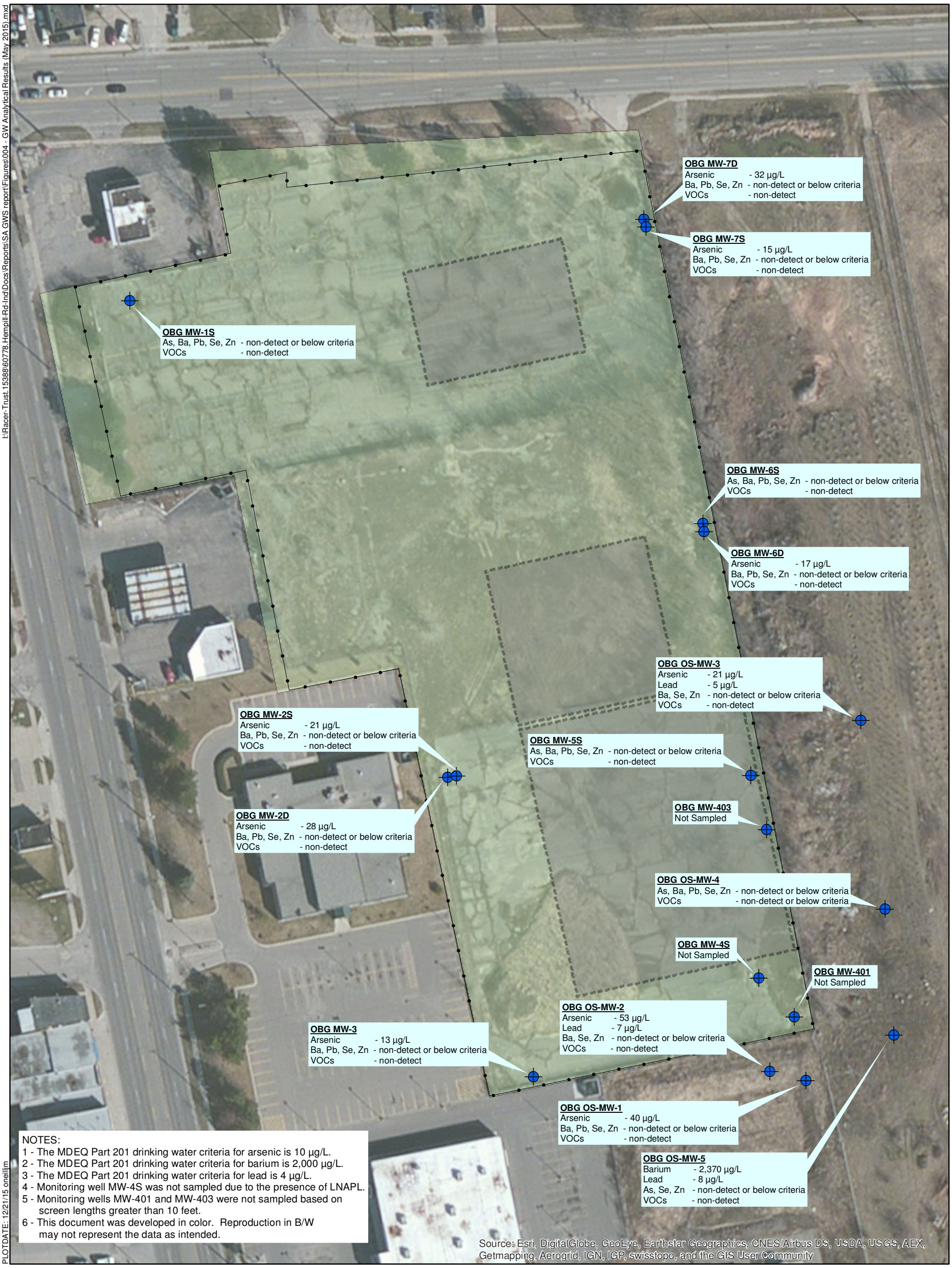
N

0 40 80 120 160
Feet

O'BRIEN & GERE

NOVEMBER 2015
15388/60778/002

FIGURE 4



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PLOTDATE: 12/21/15 oneillim

LEGEND

- MONITORING WELL
- HEMPHILL ROAD INDUSTRIAL LAND
- FORMER BUILDING

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

GROUNDWATER ANALYTICAL RESULTS
MAY 2015

0 40 80 120 160
Feet

N

O'BRIEN & GERE

MAY 2015
15388/60778/004

FIGURE 5

I:\Racer-Trust.15388\60778.Hempill-Rd-Ind\Docs\Reports\SA GWS report\Figures\005 - GW Analytical Results (October 2015).mxd

OBG MW-7D
Arsenic - 34 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-7S
Arsenic - 22 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-1S
As, Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-6S
Arsenic - 13 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-6D
Arsenic - 15 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG OS-MW-3
Lead - 6 µg/L
As, Ba, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-2S
Arsenic - 33 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-5S
As, Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-2D
Arsenic - 42 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-403
Not Sampled

OBG OS-MW-4
As, Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect or below criteria

OBG MW-4S
Not Sampled

OBG MW-401
Not Sampled

OBG OS-MW-2
Arsenic - 57 µg/L
Lead - 8 µg/L
Ba, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG MW-3
Arsenic - 12 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG OS-MW-1
Arsenic - 32 µg/L
Ba, Pb, Se, Zn - non-detect or below criteria
VOCs - non-detect

OBG OS-MW-5
Barium - 2,220 µg/L
Lead - 13 µg/L
As, Se, Zn - non-detect or below criteria
VOCs - non-detect

NOTES:
1 - The MDEQ Part 201 drinking water criteria for arsenic is 10 µg/L.
2 - The MDEQ Part 201 drinking water criteria for barium is 2,000 µg/L.
3 - The MDEQ Part 201 drinking water criteria for lead is 4 µg/L.
4 - Monitoring well MW-4S was not sampled due to the presence of LNAPL.
5 - Monitoring wells MW-401 and MW-403 were not sampled based on screen lengths greater than 10 feet.
6 - This document was developed in color. Reproduction in B/W may not represent the data as intended.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

PLOTDATE: 12/21/15 oneilljm

LEGEND

- MONITORING WELL
- HEMPHILL ROAD INDUSTRIAL LAND
- FORMER BUILDING

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2015

N

0 40 80 120 160
Feet

O'BRIEN & GERE

OCTOBER 2015
15388/60778/005

EXHIBITS

Exhibit A

Groundwater Sampling Logs May 2015 & October 2015

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly Sunny 70's
Well #: OBG-MW15
Evacuation Method: (Peristaltic) Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	27.20	ft.
Depth to Water *	12.64	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ gal.(s)
Did well go dry? No

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

Instrument Calibration:

	Calibrated within range	
pH	7.03 - 7.00	3.83 - 4.00
ORP	238.9	240
Conductivity	4.44	4.49
DO		

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
825 initial	13.32	14.60	1.360	8.41	7.01	123.3	11
830 5 min	13.40	14.28	1.332	7.05	7.00	114.8	9
835 10 min	13.53	14.28	1.322	5.89	7.02	104.7	5
840 15 min	13.62	14.31	1.324	5.33	7.08	98.3	4
845 20 min	13.75	14.25	1.313	5.11	7.10	98.0	4
850 25 min	13.82	14.16	1.312	5.03	7.16	90.8	4
855 30 min	13.94	14.05	1.314	5.00	7.19	88.9	4
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 855

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	11	Turbidity (> 100 NTU)	4
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly sunny 70's
Well #: OB6-MW75
Evacuation Method: (Peristaltic) / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	17.72	ft.
Depth to Water *	8.25	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
915 initial	9.09	13.59	1379	4.64	6.69	49.8	39
920 5 min	9.63	13.20	1360	6.54	6.60	46.7	28
925 10 min	9.80	13.27	1359	6.55	6.59	43.1	31
930 15 min	10.25	13.34	1358	4.96	6.61	33.2	47
935 20 min	10.65	13.03	1360	4.60	6.62	17.5	46
940 25 min	10.94	13.06	1364	4.59	6.63	4.8	47
945 30 min	11.10	12.92	1359	4.59	6.62	-2.8	46
950 35 min	11.33	13.11	1357	4.58	6.63	-16.0	51
955 40 min	11.59	13.31	1357	4.61	6.65	-26.4	39
1000 45 min	11.66	13.04	1361	4.74	6.64	-32.1	38
1005 50 min	11.73	13.41	1354	4.71	6.64	-39.7	39
55 min	11.78	13.84	1352	4.71	6.67	-42.4	38
60 min	11.05	13.52	1359	4.73	6.67	-46.6	39

Water Sample:
Time Collected: 1015

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Slightly cloudy	Color	Slightly cloudy
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	39	Turbidity (> 100 NTU)	39
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: Field Filtered

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly Sunny 70's
Well #: OBG - MW7D
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well * _____ ft.
Depth to Water * 12.35 ft.
Length of Water Column _____ ft.
Volume of Water in Well _____ gal.(s)
3X Volume of Water in Well _____ 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 _____ 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

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1030 initial	12.36	12.72	620	10.61	7.62	-42.8	125
1035 5 min	12.36	12.96	609	8.54	7.57	-46.1	196
1040 10 min	12.36	13.43	622	8.55	7.58	-52.2	218
1045 15 min	12.40	12.97	605	6.65	7.58	-53.7	192
1050 20 min	12.45	12.72	601	5.48	7.58	-53.6	134
1055 25 min	12.47	12.68	600	4.07	7.62	-62.1	71
1100 30 min	12.47	12.62	599	3.62	7.63	-65.7	47
1105 35 min	12.51	12.54	599	3.32	7.66	-67.6	31
1110 40 min	12.53	12.45	598	3.13	7.66	-71.2	28
1115 45 min	12.55	12.36	598	3.01	7.67	-74.2	29
1120 50 min	12.55	12.33	598	2.90	7.66	-74.7	25
1125 55 min	12.55	12.34	598	2.73	7.68	-74.7	11
1130 60 min	12.55	12.33	599	2.70	7.69	-76.9	8

Water Sample:
Time Collected: 1130

Physical Appearance at Start		Physical Appearance at Sampling	
Color	cloudy / light gray	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	125	Turbidity (> 100 NTU)	8
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: MS/MSD collected

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60788
Personnel: KBS

Weather: Partly sunny 70's
Well #: OBG-MW05
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	19.13	ft.
Depth to Water *	14.00	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1200 initial	14.45	14.55	1489	6.24	7.12	4.7	5
1205 5 min	14.62	13.80	1476	4.78	6.98	14.0	3
1210 10 min	14.74	14.42	1471	4.20	6.95	18.1	2
1215 15 min	14.96	13.70	1497	4.14	6.98	19.1	2
1220 20 min	15.14	13.46	1478	3.77	6.92	25.3	1
1225 25 min	15.89	14.59	1484	3.58	6.95	26.7	2
1230 30 min	15.49	13.90	1493	3.71	6.94	28.1	2
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1230

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	5	Turbidity (> 100 NTU)	2
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60788
Personnel: KBS

Weather: sunny 70's
Well #: OBG-MW6D
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	44.43	ft.
Depth to Water *	17.54	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1245 initial	18.01	15.40	1035	5.78	7.81	10.0	257
1250 5 min	18.75	14.20	993	4.40	7.69	1.1	393
1255 10 min	18.90	14.70	945	4.26	7.71	-6.6	333
1300 15 min	19.05	14.80	952	4.39	7.73	-11.4	258
1305 20 min	20.61	13.30	948	4.40	7.63	-6.9	97
1310 25 min	20.42	13.10	953	4.22	7.59	-6.5	64
1315 30 min	21.03	13.15	952	4.02	7.52	-5.7	36
1320 35 min	21.35	13.30	954	3.57	7.52	-5.5	28
1325 40 min	21.30	13.91	9600	3.19	7.55	-9.5	23
1330 45 min	21.30	14.02	962	2.94	7.52	-9.9	17
1335 50 min	21.33	14.01	968	2.86	7.52	-11.0	14
1340 55 min	21.30	14.02	971	2.67	7.51	-12.1	12
60 min							

Water Sample:
Time Collected: 1335 1340

Physical Appearance at Start		Physical Appearance at Sampling	
Color	cloudy / light gray	Color	cloudy
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	257	Turbidity (> 100 NTU)	12
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly sunny 70's
Well #: OBG-MW 2S
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	20.29	ft.
Depth to Water *	10.59	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1405 initial	11.44	14.85	2598	3.57	7.10	23.7	28
1410 5 min	11.80	15.60	2578	2.58	7.07	11.3	22
1415 10 min	10.03	16.35	2577	2.09	7.06	6.4	18
1420 15 min	12.24	15.09	2597	1.99	7.09	-12.7	10
1425 20 min	12.52	16.59	2575	1.70	7.07	-20.6	10
1430 25 min	12.59	17.18	2591	1.60	7.08	-24.3	8
1435 30 min	12.82	16.35	2594	1.57	7.07	-30.2	6
35 min	13.21	15.42	2585	1.50	7.06	-34.4	5
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1440

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	28	Turbidity (> 100 NTU)	5
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:
* DUP-1 collected

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly Sunny 70's
Well #: OBG-MW 2D
Evacuation Method: Peristaltic / (Submersible pump)
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	19.98	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	20.60	17.35	1623	5.06	7.52	27.9	152
1510 5 min	20.21	17.18	1565	3.42	7.29	36.0	291
1515 10 min	20.44	16.05	1550	2.96	7.20	34.2	212
1520 15 min	20.69	14.24	1548	2.61	7.16	30.1	73
1525 20 min	20.90	14.45	1542	2.21	7.16	23.0	54
1530 25 min	21.06	15.34	1541	1.94	7.18	19.7	46
1535 30 min	21.08	14.40	1546	1.77	7.16	11.2	25
1540 35 min	21.11	15.39	1550	1.58	7.17	4.2	17
1545 40 min	20.98	15.99	1550	1.44	7.20	0.5	13
1550 45 min	20.90	15.62	1551	1.43	7.21	-3.3	11
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1550

Physical Appearance at Start		Physical Appearance at Sampling	
Color	cloudy / light Gray	Color	clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	152	Turbidity (> 100 NTU)	11
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60078
Personnel: KBS

Weather: Partly Sunny 70's
Well #: OBG-MW35
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	23.45	ft.
Depth to Water *	22.85	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: 10 gal.(s)
Did well go dry?

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

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1605 initial	22.90	17.36	2912	5.35	7.02	31.4	64
1610 5 min	22.90	16.34	2714	3.11	6.85	7.9	37
1615 10 min	22.90	16.37	2638	2.40	6.75	0.1	25
1620 15 min	22.90	16.50	2584	2.03	6.75	-4.6	19
1625 20 min	22.90	16.47	2541	1.82	6.75	-8.8	15
1630 25 min	22.90	15.98	2457	1.84	6.75	-12.4	15
1635 30 min	22.90	15.89	2445	1.81	6.75	-13.7	13
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1635

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cloudy / light orange	Color	Clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	64	Turbidity (> 100 NTU)	13
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly Sunny 80's
Well #: OBG-05-MW3
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	30.22	ft.
Depth to Water *	25.99	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
820 initial	25.99	13.32	1443	6.07	6.73	130.2	41
815 5 min		13.07	1394	4.39	6.87	94.0	34
820 10 min		13.03	1382	3.61	6.87	76.7	35
825 15 min		12.93	1385	3.20	6.91	63.8	30
830 20 min		12.93	1388	2.93	6.94	49.0	24
835 25 min		12.86	1393	2.77	6.96	-27.0	20
840 30 min		12.37	1399	2.75	6.96	-31.5	16
845 35 min		12.66	1393	2.61	6.96	-37.5	15
850 40 min		12.95	1395	2.55	6.99	-42.4	15
855 45 min		12.80	1398	2.57	6.01	-46.5	17
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 855

Physical Appearance at Start		Physical Appearance at Sampling	
Color	slightly cloudy / Light Gray	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	41	Turbidity (> 100 NTU)	17
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly cloudy 80's
Well #: OBG-05-MW4
Evacuation Method: (Peristaltic) / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	27.73	ft.
Depth to Water *	24.46	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
920 initial	24.40	15.22	2195	3.07	6.65	-7.2	15
925 5 min		15.16	2215	2.47	6.58	-30.8	12
930 10 min		15.10	2237	2.71	6.57	-42.2	12
935 15 min		14.63	2234	3.53	6.55	-43.6	14
940 20 min		14.68	2233	4.04	6.55	-44.1	12
945 25 min		14.77	2230	4.48	6.55	-44.1	10
950 30 min		14.82	2237	4.69	6.55	-45.0	10
955 35 min		14.86	2233	4.92	6.55	-42.7	10
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 955

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	~~None~~ Slight chemical odor	Odor	NO. Slight chemical odor
Turbidity (> 100 NTU)	55	Turbidity (> 100 NTU)	10
Sheen/Free Product	~~NONE~~ Slight sheen	Sheen/Free Product	Slight sheen

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 6/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: Partly sunny
Well #: OB6 · OS · MW 5
Evacuation Method: (Peristaltic) / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	28.12	ft.
Depth to Water *	24.80	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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:

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1000 initial	24.84	16.61	2839	7.76	6.38	-0.7	25
1025 5 min		17.08	2841	5.98	6.36	-12.7	21
1030 10 min		17.17	2840	5.98	6.34	-20.5	18
1035 15 min		17.43	2816	6.60	6.33	-27.3	18
1040 20 min		17.62	2791	7.38	6.32	-30.3	16
1045 25 min		17.63	2744	8.11	6.31	-32.2	15
1050 30 min		17.71	2721	8.48	6.30	-33.0	13
1055 35 min		17.91	2704	8.92	6.30	-33.9	13
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1055

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	chemical odor	Odor	None
Turbidity (> 100 NTU)	25	Turbidity (> 100 NTU)	13
Sheen/Free Product	slight sheen	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 600778
Personnel: KBS

Weather: Partly cloudy 80's
Well #: 036-OS-MW1
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	30.14	ft.
Depth to Water *	21.95	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: 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	

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1135 initial	22.39	18.89	1209	5.69	6.51	-24.5	43
1140 5 min	22.59	19.59	1193	2.85	6.41	-34.5	38
1145 10 min	22.69	19.98	1190	3.73	6.41	-37.2	29
1150 15 min	22.80	18.95	1184	2.80	6.41	-39.0	27
1155 20 min	22.88	18.27	1192	2.48	6.41	-39.4	23
1200 25 min	22.92	17.68	1189	3.11	6.42	-39.4	20
1205 30 min	27.00	18.57	1181	3.25	6.44	-40.4	19
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1205

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Slightly cloudy	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	43	Turbidity (> 100 NTU)	19
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/27/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60728
Personnel: KBS

Weather: Mostly Sunny 80's
Well #: OBG-MW55
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	15.61	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: gal.(s)
Did well go dry? ND

* 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1330 initial	16.05	18.63	3354	8.39	6.57	1.1	80
1335 5 min	16.06	16.20	3311	3.70	6.50	-19.4	46
1340 10 min	16.34	15.99	3255	3.02	6.47	-19.4	46
1345 15 min	16.39	15.81	3244	2.93	6.46	-19.7	43
1350 20 min	16.49	15.63	3244	2.83	6.47	-20.7	39
1355 25 min	16.55	15.69	3227	2.80	6.47	-21.5	33
1400 30 min	16.61	16.73	3259	2.93	6.48	-22.7	29
1405 35 min	16.64	17.19	3389	3.05	6.51	-25.9	26
1410 40 min	16.61	17.72	3441	3.21	6.51	-26.0	22
1415 45 min	16.61	18.14	3462	3.34	6.51	-25.5	20
50 min	16.61	18.35	3499	3.58	6.51	-25.6	19
55 min							
60 min							

Water Sample:
Time Collected: 1420

Physical Appearance at Start		Physical Appearance at Sampling	
Color	slight yellow color	Color	clear
Odor		Odor	None
Turbidity (> 100 NTU)	80	Turbidity (> 100 NTU)	19
Sheen/Free Product		Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: Field Blank C-1 @ 1340

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 5/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.: 60778
Personnel: KBS

Weather: partly sunny 80's
Well #: OBG-05-MW
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	30.14	ft.
Depth to Water *	21.34	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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: ____ 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:

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	21.54	17.16	1118	7.97	6.55	-40.4	20
1230 5 min	21.59	17.12	1095	4.89	6.47	-35.6	19
1235 10 min	21.65	17.88	1077	2.84	6.40	-35.8	18
1240 15 min	21.70	18.41	1078	2.59	6.43	-33.2	18
1245 20 min	21.74	18.45	1082	2.56	6.46	-36.8	17
1250 25 min	21.80	18.79	1076	2.46	6.46	-37.6	15
1255 30 min	21.84	18.47	1080	2.55	6.48	-38.8	15
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1255

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	20	Turbidity (> 100 NTU)	15
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: light Rain 40's
Well #: OBG MW 15
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well * ____ ft.
Depth to Water * 12.75 ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Well ____ 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	13.33	15.00	1321	2.50	7.10	70.0	14
905 5 min	13.05	15.04	1288	0.68	7.33	-30.2	14
910 10 min	13.95	15.04	1287	0.54	7.35	-30.3	6
915 15 min	14.20	15.11	1293	0.51	7.38	-41.1	5
920 20 min	14.35	15.10	1293	0.57	7.40	-41.0	6
925 25 min	14.41	15.11	1284	0.54	7.42	-42.6	7
930 30 min	14.45	15.11	1276	0.63	7.45	-44.1	7
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 930

Physical Appearance at Start		Physical Appearance at Sampling	
Color	cloudy	Color	Clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	LOW	Turbidity (> 100 NTU)	LOW
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: light Rain 90s
Well #: OB6 - MW 35
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well * ____ ft.
Depth to Water * 22.77 ft.
Length of Water Column ____ ft.
Volume of Water in Well ____ gal.(s)
3X Volume of Water in Well ____ 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1010 initial	22.90	14.85	3056	0.73	7.34	-4.4	39
1015 5 min	22.90	15.06	3125	0.53	7.31	1.8	23
1020 10 min	22.90	15.18	3143	0.42	7.27	3.5	18
1025 15 min	22.90	15.22	3143	0.33	7.25	4.8	17
1030 20 min	22.90	15.34	3124	0.28	7.22	4.0	11
1035 25 min	22.90	15.41	3118	0.25	7.21	3.4	10
1040 30 min	22.90	15.44	3107	0.21	7.20	2.0	9
1045 35 min	22.90	15.33	3102	0.19	7.19	3.4	10
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1045

Physical Appearance at Start		Physical Appearance at Sampling	
Color	slightly cloudy	Color	clear
Odor	none	Odor	none
Turbidity (> 100 NTU)	med	Turbidity (> 100 NTU)	low
Sheen/Free Product	none	Sheen/Free Product	none

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: Light Rain 50's
Well #: OBG-MW 5S
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	15.40	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		gal.(s)

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

Volume removed before sampling: 2 gal.(s)
Did well go dry? ND

* 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	16.00	15.39	3011	3.56	7.26	-50.8	40
1110 5 min	16.06	15.93	3008	0.50	7.18	-55.6	41
1115 10 min	16.20	16.00	3000	0.39	7.07	-47.9	49
1120 15 min	16.25	16.00	3002	0.30	7.05	-50.6	76
1125 20 min	16.25	15.99	3037	0.20	7.03	-52.4	74
1130 25 min	16.29	15.95	3053	0.15	7.03	-58.2	75
1135 30 min	16.31	15.92	3134	0.12	7.03	-65.5	69
1140 35 min	16.34	15.77	3465	0.13	7.05	-84.6	50
1145 40 min	16.35	15.68	3576	0.13	7.04	-89.1	45
1150 45 min	16.35	15.60	3579	0.10	7.04	-96.1	37
1155 50 min	16.35	15.58	3560	0.11	7.01	-98.7	35
1200 55 min	16.35	15.57	3561	0.10	7.03	-97.8	29
1205 60 min	16.40	15.45	3587	0.09	7.02	-102.8	34
1210	16.45	15.55	3481	0.13	7.01	-99.9	35

Water Sample:
Time Collected: 1225

over →

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Yellowish Tint	Color	Slight Yellowish Tint
Odor	Chemical Odor	Odor	Chemical odor
Turbidity (> 100 NTU)	MED	Turbidity (> 100 NTU)	MED
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 vials	HCl	~~no~~ Yes
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: FF

OBG-MW55

	DD	Temp	Con	DO	pH	ORP	Turb
1215	16.49	15.66	3799	0.12	7.00	-85.4	37
1220	16.55	15.71	3376	0.10	7.00	-89.8	35
1225		15.59	3395	0.10	7.00	-93.2	32

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS
Weather: light Rain 50's
Well #: OBG OS-MW 3
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	30.22	ft.
Depth to Water *	26.06	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		gal.(s)

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

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

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

Instrument Calibration: Calibrated within range

pH	yes
ORP	yes
Conductivity	yes
DO	yes

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	26.06	12.92	2279	1.35	7.28	-69.5	342
1315 5 min		13.05	2258	0.72	7.11	-70.0	295
1320 10 min		13.39	2248	0.44	7.05	-71.4	274
1325 15 min		13.54	2246	0.39	7.04	-71.7	212
1330 20 min		13.60	2245	0.32	7.03	-71.5	153
1335 25 min		13.74	2243	0.25	7.01	-72.8	107
1340 30 min		13.75	2245	0.21	7.00	-70.8	60
1345 35 min		13.07	2247	0.15	6.99	-69.7	46
1350 40 min		13.03	2240	0.15	6.98	-66.7	33
1355 45 min		13.15	2237	0.15	6.98	-65.7	28
1400 50 min		13.23	2235	0.14	6.98	-65.5	25
1405 55 min		13.29	2232	0.14	6.97	-65.7	23
1410 60 min		13.41	2230	0.13	6.97	-64.6	20
1415		13.60	2228	0.13	6.97	-66.1	19

Water Sample:
Time Collected: 1415

Physical Appearance at Start		Physical Appearance at Sampling	
Color	light Gray	Color	clear
Odor	slight chemical odor	Odor	slight chemical odor
Turbidity (> 100 NTU)	High	Turbidity (> 100 NTU)	Low
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 vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: Tagged the bottom of well with water level prior to monitoring which caused the increase in turbidity

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: Light Rain 50's
Well #: OBG-05-MW4
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	27.72	ft.
Depth to Water *	24.25	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1435 initial	24.25	12.89	2097	0.54	7.11	-73.6	9
1440 5 min		13.04	2084	0.28	7.06	-75.4	9
1445 10 min		13.09	2090	0.17	7.04	-75.8	9
1450 15 min		13.18	2090	0.14	7.04	-70.7	8
1455 20 min		13.13	2091	0.14	7.03	-73.2	8
1500 25 min		13.04	2091	0.13	7.03	-73.0	7
1505 30 min		13.00	2070	0.13	7.03	-69.7	6
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1505

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	slight chemical odor	Odor	slight clean odor
Turbidity (> 100 NTU)	Low	Turbidity (> 100 NTU)	Low
Sheen/Free Product	slight sheen in bucket	Sheen/Free Product	slight sheen in bucket

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes: DUP-1 collected

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: Light Rain 60's
Well #: OB6-05 MW 5
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *	28.12	ft.
Depth to Water *	24.67	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1530 initial	24.67	13.11	2706	1.17	6.94	52.7	37
1535 5 min	24.69	13.04	2656	0.45	6.89	-55.6	28
1540 10 min	24.71	13.03	2626	0.31	6.89	-56.2	23
1545 15 min	24.72	13.00	2599	0.24	6.86	-56.8	19
1550 20 min	24.74	13.00	2546	0.20	6.85	-56.2	15
1555 25 min	24.74	12.90	2474	0.19	6.83	-54.4	10
1600 30 min	24.74	12.95	2425	0.17	6.82	-54.2	11
1605 35 min	24.74	12.77	2399	0.16	6.81	-53.2	9
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1605

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	Clear
Odor	chemical odor	Odor	Chemical Odor
Turbidity (> 100 NTU)	Low	Turbidity (> 100 NTU)	Low
Sheen/Free Product	Slight sheen in bucket	Sheen/Free Product	Slight sheen in bucket

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/28/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: cloudy 60's
Well #: OBG-MW7S
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	8.43	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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? ND

* 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1630 initial	9.70	14.99	1288	1.11	7.21	-88.0	44
1635 5 min	10.60	14.93	1274	0.64	7.11	-86.9	33
1640 10 min	11.55	15.04	1264	0.30	7.07	-89.4	36
1645 15 min	11.86	15.08	1260	0.24	7.06	-88.3	30
1650 20 min	12.30	15.06	1248	0.24	7.06	-89.0	28
1655 25 min	12.81	15.07	1237	0.17	7.05	-89.4	32
1700 30 min	12.81	14.97	1222	0.15	7.05	-85.7	34
1705 35 min	12.84	14.99	1210	0.15	7.05	-84.4	33
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1705

Physical Appearance at Start		Physical Appearance at Sampling	
Color	slightly cloudy	Color	clear
Odor	none	Odor	none
Turbidity (> 100 NTU)	low	Turbidity (> 100 NTU)	low
Sheen/Free Product	none	Sheen/Free Product	none

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	~~no~~ Yes
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:
FF

O'Brien & Gere Engineers, Inc. **Standard Groundwater Sampling Log**

Date 10/29/15
Site Name RACER Site #1291 - Burton Parcel
Location Burton, MI
Project No.
Personnel KBS

Weather cloudy 30's
Well # OBG-MW 7D
Evacuation Method Peristaltic / Submersible pump
Sampling Method Low-flow

Well Information:

Depth of Well * ft.
Depth to Water * 12.44 ft.
Length of Water Column ft.
Volume of Water in Well gal.(s)
3X Volume of Water in Well gal.(s)

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

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

* Measurements taken from [X] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

	Calibrated within range
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
835 initial	12.54	12.03	681	4.36	6.83	149.2	214
840 5 min	12.51	11.97	605	0.62	7.14	-10.1	266
845 10 min	12.51	11.95	596	0.39	7.23	-0.2	181
850 15 min	12.51	11.87	584	0.34	7.36	-39.3	103
855 20 min	12.51	11.86	583	0.29	7.41	-39.1	97
900 25 min	12.51	11.85	581	0.28	7.48	-60.6	78
905 30 min	12.51	11.84	580	0.29	7.50	-47.3	68
910 35 min	12.51	11.83	579	0.25	7.53	-53.1	65
915 40 min	12.51	11.75	579	0.27	7.55	-58.1	48
920 45 min	12.51	11.83	579	0.25	7.56	-46.9	42
925 50 min	12.51	11.85	578	0.26	7.59	-62.7	31
930 55 min	12.51	11.85	578	0.23	7.66	-52.8	24
935 60 min	12.51	11.82	578	0.25	7.64	-71.9	19
940	12.51	11.89	578	0.23	7.665	-75.4	18

over =>

Water Sample:
Time Collected 945

Physical Appearance at Start		Physical Appearance at Sampling	
Color	light Gray	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	HIGH	Turbidity (> 100 NTU)	LOW
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

OB6-MW 7D

	DD	Temp	Con	DO	pH	ORP	Turb
945	12.57	11.94	557	0.24	7.07	79.8	17

O'Brien & Gere Engineers, Inc. **Standard Groundwater Sampling Log**

Date 10/29/15
Site Name RACER Site #1291 - Burton Parcel
Location Burton, MI
Project No.
Personnel KBS

Weather cloudy - 40s
Well # OB6-MW 60S.
Evacuation Method Peristaltic / Submersible pump
Sampling Method Low-flow

Well Information:

Depth of Well * ft.
Depth to Water * 14.72 ft.
Length of Water Column ft.
Volume of Water in Well gal.(s)
3X Volume of Water in Well 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? ND

* 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1015 initial	15.19	11.08	1357	2.63	7.10	20.8	11
1020 5 min	15.79	11.71	1365	2.17	7.09	14.2	7
1025 10 min	16.16	12.31	1383	2.65	7.07	18.0	8
1030 15 min	16.39	12.18	1388	1.81	7.07	15.7	7
1035 20 min	16.78	12.21	1394	1.47	7.07	6.3	5
1040 25 min	17.09	12.04	1403	0.92	7.08	-0.2	5
1045 30 min	17.50	12.15	1398	0.88	7.08	5.8	5
1050 35 min	17.75	12.21	1383	0.83	7.08	9.2	4
1055 40 min	17.80	12.08	1370	0.78	7.09	12.3	3
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected 1055

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	Low	Turbidity (> 100 NTU)	Low
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: Cloudy 40's
Well #: OBG-MW 60D
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	17.70	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1105 initial	18.37	11.03	900	4.37	7.44	10.2	364
1110 5 min	18.85	11.01	893	0.59	7.50	7.5	194
1115 10 min	19.29	11.39	892	0.41	7.53	8.3	125
1120 15 min	19.75	11.52	890	0.34	7.55	10.4	101
1125 20 min	20.09	11.78	890	0.26	7.57	0.7	73
1130 25 min	20.26	11.82	892	0.25	7.59	-6.1	48
1135 30 min	20.37	11.87	892	0.21	7.61	-15.8	33
1140 35 min	20.50	11.93	893	0.27	7.62	-26.2	24
1145 40 min	20.55	11.87	898	0.20	7.63	-29.8	22
1150 45 min	20.61	11.96	899	0.20	7.64	-33.6	18
1155 50 min	20.64	11.84	905	0.17	7.65	-37.5	15
1200 55 min	20.72	11.98	904	0.19	7.66	-40.2	13
60 min							

Water Sample:
Time Collected: 1200

Physical Appearance at Start		Physical Appearance at Sampling	
Color	light GRY	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	HIGH	Turbidity (> 100 NTU)	LOW
Sheen/Free Product	NONE	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. **Standard Groundwater Sampling Log**

Date 10/29/15
Site Name RACER Site #1291 - Burton Parcel
Location Burton, MI
Project No.
Personnel KBS

Weather cloudy 40's
Well # OBG-MW2S
Evacuation Method Peristaltic / Submersible pump
Sampling Method Low-flow

Well Information:

Depth of Well * ft.
Depth to Water * 10.77 ft.
Length of Water Column ft.
Volume of Water in Well gal.(s)
3X Volume of Water in Well 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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
1220 initial	11.75	initial 14.89	initial 2394	initial 0.47	initial 7.42	initial -52.0	initial 18
1225 5 min	11.92	14.20	2428	0.76	7.41	-59.4	11
1230 10 min	12.31	14.83	2407	0.44	7.37	-59.0	6
1235 15 min	12.91	15.14	2403	0.29	7.34	-59.1	5
1240 20 min	13.54	15.29	2397	0.23	7.33	-58.5	4
1245 25 min	13.95	15.36	2388	0.21	7.32	-60.7	4
1250 30 min	14.42	15.28	2390	0.22	7.31	-61.9	4
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected 1250

Physical Appearance at Start

Color Clear
Odor None
Turbidity (> 100 NTU) Low
Sheen/Free Product None

Physical Appearance at Sampling

Color Clear
Odor None
Turbidity (> 100 NTU) Low
Sheen/Free Product None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 6/29/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: cloudy 40's
Well #: OBG-MW 21D
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	19.94	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
initial	20.54	11.71	1508	2.64	7.61	-92.0	287
1330 5 min	20.59	11.68	1497	0.61	7.59	-96.4	162
1335 10 min	20.55	11.47	1482	0.43	7.55	-97.0	99
1340 15 min	20.69	11.92	1480	0.29	7.54	-96.6	64
1345 20 min	20.80	12.03	1481	0.25	7.53	-97.9	42
1350 25 min	20.84	12.03	1484	0.23	7.52	-95.1	30
1355 30 min	20.89	11.99	1484	0.23	7.52	-96.5	23
1400 35 min	20.89	11.94	1483	0.21	7.52	-95.4	19
1405 40 min	20.91	11.92	1485	0.20	7.51	-93.8	17
1410 45 min	20.91	12.01	1483	0.19	7.51	-93.2	15
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 1410

Physical Appearance at Start		Physical Appearance at Sampling	
Color	light Gray	Color	clear
Odor	none	Odor	none
Turbidity (> 100 NTU)	High	Turbidity (> 100 NTU)	Low
Sheen/Free Product	none	Sheen/Free Product	none

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:
Field Bank collected
MS/MSD collected

O'Brien & Gere Engineers, Inc. — **Standard Groundwater Sampling Log**

Date: 10/30/15
Site Name: RACER Site #1291 - Burton Parcel
Location: Burton, MI
Project No.:
Personnel: KBS

Weather: cloudy 40's
Well #: OBG 05 MW 1
Evacuation Method: Peristaltic / Submersible pump
Sampling Method: Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	22.24	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured (0.3 feet or less)	Temperature Celsius (±3 percent)	Conductivity uS/cm (±3 percent)	Dissolved Oxygen mg/L (±10 percent)	pH (±0.1 pH units)	ORP mV (±10 millivolts)	Turbidity NTUs (±10 percent)
855 initial	22.69						
900 5 min	22.99	12.00	1142	2.85	6.89	-76.0	100
905 10 min	23.11	11.79	1099	0.54	6.81	-76.8	51
910 15 min	23.20	11.63	1085	0.40	6.80	-73.3	37
915 20 min	23.39	11.65	1063	0.39	6.78	-67.9	23
920 25 min	23.54	11.55	1052	0.34	6.77	-65.8	20
925 30 min	23.76	11.51	1051	0.31	6.77	-64.8	18
930 35 min	23.84	11.61	1057	0.29	6.76	-64.2	17
40 min							
45 min							
50 min							
55 min							
60 min							

Water Sample:
Time Collected: 930

Physical Appearance at Start		Physical Appearance at Sampling	
Color	slightly cloudy / light grey	Color	clear
Odor	NONE	Odor	NONE
Turbidity (> 100 NTU)	Low Flow	Turbidity (> 100 NTU)	LOW
Sheen/Free Product	None	Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

O'Brien & Gere Engineers, Inc. **Standard Groundwater Sampling Log**

Date 10/29/15 10/30/15
Site Name RACER Site #1291 - Burton Parcel
Location Burton, MI
Project No.
Personnel KBS

Weather Cloudy 40's
Well # 0136 OS MW-2
Evacuation Method Peristaltic / Submersible pump
Sampling Method Low-flow

Well Information:

Depth of Well *		ft.
Depth to Water *	21.73	ft.
Length of Water Column		ft.
Volume of Water in Well		gal.(s)
3X Volume of Water in Well		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:

	Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity uS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial	21.95	12.20	917	8.30	6.82	-48.7	10
5 min	22.10	12.10	944	0.90	6.85	-50.4	6
10 min	22.39	12.15	943	0.68	6.83	-52.9	8
15 min	22.86	12.28	940	0.48	6.81	-53.1	9
20 min	22.98	12.29	939	0.43	6.81	-53.8	8
25 min	23.15	12.31	939	0.39	6.80	-53.3	8
30 min	23.36	12.30	938	0.37	6.80	-53.5	8
35 min							
40 min							
45 min							
50 min							
55 min							
60 min							

1040 1045 1050 1055 1100 1105 1110 1115

Water Sample:
Time Collected 1010

Physical Appearance at Start

Color	Clear
Odor	NONE
Turbidity (> 100 NTU)	Low
Sheen/Free Product	NONE

Physical Appearance at Sampling

Color	Clear
Odor	NONE
Turbidity (> 100 NTU)	Low
Sheen/Free Product	NONE

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml glass vials	HCl	no
Arsenic, Lead, Barium, Zinc	1	125 ml plastic	HNO_3	

Notes:

Exhibit B

Groundwater Analytical Data May 2015

Analytical Laboratory Report

Report ID: S66013.01(01)
Generated on 06/11/2015

Report to

Attention: Tony Finch
O'Brien & Gere Engineers, Inc.
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: Anthony.Finch@obg.com

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:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S66013.01-S66013.21
Project: RACER Site #1291 - Burton Parcel
Collected Date: 05/28/2015 - 05/29/2015
Submitted Date/Time: 05/29/2015 16:00
Sampled by: Kevin Schneider
P.O. #: 11311311

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by 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).
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 need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
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 Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

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

Glossary of Abbreviations

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

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
SW8260C	SW 846 Method 8260C Revision 3 August 2006

Sample Summary (21 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S66013.01	OBG-MW1S	Groundwater	05/28/2015 08:55
S66013.02	OBG-MW7S	Groundwater	05/28/2015 10:15
S66013.03	OBG-MW7D	Groundwater	05/28/2015 11:30
S66013.04	OBG-MW7D MS	Groundwater	05/28/2015 11:30
S66013.05	OBG-MW7D MSD	Groundwater	05/28/2015 11:30
S66013.06	OBG-MW6S	Groundwater	05/28/2015 12:30
S66013.07	OBG-MW6D	Groundwater	05/28/2015 13:40
S66013.08	OBG-MW2S	Groundwater	05/28/2015 14:40
S66013.09	OBG-MW2D	Groundwater	05/28/2015 15:50
S66013.10	OBG-MW3S	Groundwater	05/28/2015 16:35
S66013.11	DUP-1	Groundwater	05/28/2015 00:01
S66013.12	OBG-OS-MW3	Groundwater	05/29/2015 08:55
S66013.13	OBG-OS-MW4	Groundwater	05/29/2015 09:55
S66013.14	OBG-OS-MW5	Groundwater	05/29/2015 10:55
S66013.15	OBG-OS-MW1	Groundwater	05/29/2015 12:05
S66013.16	OBG-OS-MW2	Groundwater	05/29/2015 12:55
S66013.17	Field Blank-1	Quality Control	05/29/2015 13:40
S66013.18	Equipment Blank-1	Quality Control	05/29/2015 14:00
S66013.19	OBG-MW5S	Groundwater	05/29/2015 14:20
S66013.20	OBG-MW5S Collocated	Groundwater	05/29/2015 14:20
S66013.21	Trip Blank-1	Quality Control	05/29/2015 00:01

Analytical Laboratory Report

Lab Sample ID: S66013.01
Sample Tag: OBG-MW1S
Collected Date/Time: 05/28/2015 08:55
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	06/10/15 13:55	JRH	7440-38-2	
Barium	0.151	mg/L	0.005	E200.8	06/10/15 13:55	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 13:55	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 13:55	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 13:55	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 03:01	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 03:01	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 03:01	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 03:01	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 03:01	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 03:01	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 03:01	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-27-4	

Lab Sample ID: S66013.01 (continued)
Sample Tag: OBG-MW1S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 03:01	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:01	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:01	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.02
Sample Tag: OBG-MW7S
Collected Date/Time: 05/28/2015 10:15
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic, Dissolved	0.015	mg/L	0.002	E200.8	06/10/15 14:03	JRH	7440-38-2	
Barium, Dissolved	0.236	mg/L	0.005	E200.8	06/10/15 14:03	JRH	7440-39-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/10/15 14:03	JRH	7439-92-1	
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	06/10/15 14:03	JRH	7782-49-2	
Zinc, Dissolved	Not detected	mg/L	0.005	E200.8	06/10/15 14:03	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 03:21	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 03:21	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 03:21	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 03:21	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 03:21	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 03:21	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 03:21	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-27-4	

Lab Sample ID: S66013.02 (continued)
Sample Tag: OBG-MW7S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 03:21	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:21	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:21	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.03
Sample Tag: OBG-MW7D
Collected Date/Time: 05/28/2015 11:30
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.032	mg/L	0.002	E200.8	06/10/15 14:32	JRH	7440-38-2	
Barium	0.096	mg/L	0.005	E200.8	06/10/15 14:32	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:32	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:32	JRH	7782-49-2	
Zinc	0.007	mg/L	0.005	E200.8	06/10/15 14:32	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 03:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 03:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 03:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 03:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 03:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 03:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 03:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-27-4	

Lab Sample ID: S66013.03 (continued)
Sample Tag: OBG-MW7D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 03:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 03:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 03:41	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.04
Sample Tag: OBG-MW7D MS
Collected Date/Time: 05/28/2015 11:30
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
6	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.289	mg/L	0.002	E200.8	06/10/15 14:36	JRH	7440-38-2	
Barium	0.359	mg/L	0.005	E200.8	06/10/15 14:36	JRH	7440-39-3	
Lead	0.250	mg/L	0.003	E200.8	06/10/15 14:36	JRH	7439-92-1	
Selenium	0.261	mg/L	0.005	E200.8	06/10/15 14:36	JRH	7782-49-2	
Zinc	0.264	mg/L	0.005	E200.8	06/10/15 14:36	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	39	ug/L	10	SW8260C	06/05/15 01:01	JGH	60-29-7	1
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 01:01	JGH	67-64-1	1
Methyl iodide	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	74-88-4	1
Carbon disulfide	42	ug/L	5	SW8260C	06/05/15 01:01	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	47	ug/L	5	SW8260C	06/05/15 01:01	JGH	1634-04-4	1
Acrylonitrile	38	ug/L	2	SW8260C	06/05/15 01:01	JGH	107-13-1	1
2-Butanone (MEK)	33	ug/L	25	SW8260C	06/05/15 01:01	JGH	78-93-3	1
Dichlorodifluoromethane	63	ug/L	5	SW8260C	06/05/15 01:01	JGH	75-71-8	1
Chloromethane	40	ug/L	5	SW8260C	06/05/15 01:01	JGH	74-87-3	1
Vinyl chloride	44	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-01-4	1
Bromomethane	44	ug/L	5	SW8260C	06/05/15 01:01	JGH	74-83-9	1
Chloroethane	42	ug/L	5	SW8260C	06/05/15 01:01	JGH	75-00-3	1
Trichlorofluoromethane	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-69-4	1
1,1-Dichloroethene	44	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-35-4	1
Methylene chloride	48	ug/L	5	SW8260C	06/05/15 01:01	JGH	75-09-2	1
trans-1,2-Dichloroethene	46	ug/L	1	SW8260C	06/05/15 01:01	JGH	156-60-5	1
1,1-Dichloroethane	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-34-3	1
cis-1,2-Dichloroethene	49	ug/L	1	SW8260C	06/05/15 01:01	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 01:01	JGH	109-99-9	1
Chloroform	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	67-66-3	1
Bromochloromethane	50	ug/L	1	SW8260C	06/05/15 01:01	JGH	74-97-5	1
1,1,1-Trichloroethane	59	ug/L	1	SW8260C	06/05/15 01:01	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 01:01	JGH	108-10-1	1
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 01:01	JGH	591-78-6	1
Carbon tetrachloride	60	ug/L	1	SW8260C	06/05/15 01:01	JGH	56-23-5	1
Benzene	47	ug/L	1	SW8260C	06/05/15 01:01	JGH	71-43-2	1
1,2-Dichloroethane	46	ug/L	1	SW8260C	06/05/15 01:01	JGH	107-06-2	1
Trichloroethene	50	ug/L	1	SW8260C	06/05/15 01:01	JGH	79-01-6	1
1,2-Dichloropropane	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	78-87-5	1

1-Spiked at 50ug/l

Lab Sample ID: S66013.04 (continued)
Sample Tag: OBG-MW7D MS

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromodichloromethane	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-27-4	1
Dibromomethane	51	ug/L	5	SW8260C	06/05/15 01:01	JGH	74-95-3	1
cis-1,3-Dichloropropene	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	10061-01-5	1
Toluene	47	ug/L	1	SW8260C	06/05/15 01:01	JGH	108-88-3	1
trans-1,3-Dichloropropene	47	ug/L	1	SW8260C	06/05/15 01:01	JGH	10061-02-6	1
1,1,2-Trichloroethane	47	ug/L	1	SW8260C	06/05/15 01:01	JGH	79-00-5	1
Tetrachloroethene	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	36	ug/L	1	SW8260C	06/05/15 01:01	JGH	110-57-6	1
Dibromochloromethane	51	ug/L	5	SW8260C	06/05/15 01:01	JGH	124-48-1	1
1,2-Dibromoethane	52	ug/L	1	SW8260C	06/05/15 01:01	JGH	106-93-4	1
Chlorobenzene	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	630-20-6	1
Ethylbenzene	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	100-41-4	1
p,m-Xylene	93	ug/L	2	SW8260C	06/05/15 01:01	JGH		1
o-Xylene	46	ug/L	1	SW8260C	06/05/15 01:01	JGH	95-47-6	1
Styrene	38	ug/L	1	SW8260C	06/05/15 01:01	JGH	100-42-5	1
Isopropylbenzene	49	ug/L	5	SW8260C	06/05/15 01:01	JGH	98-82-8	1
Bromoform	44	ug/L	1	SW8260C	06/05/15 01:01	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	45	ug/L	1	SW8260C	06/05/15 01:01	JGH	79-34-5	1
1,2,3-Trichloropropane	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	96-18-4	1
n-Propylbenzene	49	ug/L	1	SW8260C	06/05/15 01:01	JGH	103-65-1	1
Bromobenzene	50	ug/L	1	SW8260C	06/05/15 01:01	JGH	108-86-1	1
1,3,5-Trimethylbenzene	45	ug/L	1	SW8260C	06/05/15 01:01	JGH	108-67-8	1
tert-Butylbenzene	48	ug/L	1	SW8260C	06/05/15 01:01	JGH	98-06-6	1
1,2,4-Trimethylbenzene	44	ug/L	1	SW8260C	06/05/15 01:01	JGH	95-63-6	1
sec-Butylbenzene	53	ug/L	1	SW8260C	06/05/15 01:01	JGH	135-98-8	1
p-Isopropyltoluene	54	ug/L	5	SW8260C	06/05/15 01:01	JGH	99-87-6	1
1,3-Dichlorobenzene	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	541-73-1	1
1,4-Dichlorobenzene	51	ug/L	1	SW8260C	06/05/15 01:01	JGH	106-46-7	1
1,2-Dichlorobenzene	50	ug/L	1	SW8260C	06/05/15 01:01	JGH	95-50-1	1
1,2,3-Trimethylbenzene	44	ug/L	1	SW8260C	06/05/15 01:01	JGH	526-73-8	1
n-Butylbenzene	53	ug/L	1	SW8260C	06/05/15 01:01	JGH	104-51-8	1
Hexachloroethane	48	ug/L	5	SW8260C	06/05/15 01:01	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	44	ug/L	5	SW8260C	06/05/15 01:01	JGH	96-12-8	1
1,2,4-Trichlorobenzene	52	ug/L	5	SW8260C	06/05/15 01:01	JGH	120-82-1	1
1,2,3-Trichlorobenzene	52	ug/L	5	SW8260C	06/05/15 01:01	JGH	87-61-6	1
Naphthalene	47	ug/L	5	SW8260C	06/05/15 01:01	JGH	91-20-3	1
2-Methylnaphthalene	55	ug/L	5	SW8260C	06/05/15 01:01	JGH	91-57-6	1

1-Spiked at 50ug/l

Analytical Laboratory Report

Lab Sample ID: S66013.05
Sample Tag: OBG-MW7D MSD
Collected Date/Time: 05/28/2015 11:30
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
6	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.294	mg/L	0.002	E200.8	06/10/15 14:39	JRH	7440-38-2	
Barium	0.355	mg/L	0.005	E200.8	06/10/15 14:39	JRH	7440-39-3	
Lead	0.244	mg/L	0.003	E200.8	06/10/15 14:39	JRH	7439-92-1	
Selenium	0.260	mg/L	0.005	E200.8	06/10/15 14:39	JRH	7782-49-2	
Zinc	0.261	mg/L	0.005	E200.8	06/10/15 14:39	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	41	ug/L	10	SW8260C	06/05/15 01:21	JGH	60-29-7	1
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 01:21	JGH	67-64-1	1
Methyl iodide	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	74-88-4	1
Carbon disulfide	40	ug/L	5	SW8260C	06/05/15 01:21	JGH	75-15-0	1
tert-Methyl butyl ether (MTBE)	49	ug/L	5	SW8260C	06/05/15 01:21	JGH	1634-04-4	1
Acrylonitrile	40	ug/L	2	SW8260C	06/05/15 01:21	JGH	107-13-1	1
2-Butanone (MEK)	34	ug/L	25	SW8260C	06/05/15 01:21	JGH	78-93-3	1
Dichlorodifluoromethane	66	ug/L	5	SW8260C	06/05/15 01:21	JGH	75-71-8	1
Chloromethane	40	ug/L	5	SW8260C	06/05/15 01:21	JGH	74-87-3	1
Vinyl chloride	46	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-01-4	1
Bromomethane	47	ug/L	5	SW8260C	06/05/15 01:21	JGH	74-83-9	1
Chloroethane	44	ug/L	5	SW8260C	06/05/15 01:21	JGH	75-00-3	1
Trichlorofluoromethane	53	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-69-4	1
1,1-Dichloroethene	45	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-35-4	1
Methylene chloride	50	ug/L	5	SW8260C	06/05/15 01:21	JGH	75-09-2	1
trans-1,2-Dichloroethene	48	ug/L	1	SW8260C	06/05/15 01:21	JGH	156-60-5	1
1,1-Dichloroethane	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-34-3	1
cis-1,2-Dichloroethene	50	ug/L	1	SW8260C	06/05/15 01:21	JGH	156-59-2	1
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 01:21	JGH	109-99-9	1
Chloroform	50	ug/L	1	SW8260C	06/05/15 01:21	JGH	67-66-3	1
Bromochloromethane	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	74-97-5	1
1,1,1-Trichloroethane	62	ug/L	1	SW8260C	06/05/15 01:21	JGH	71-55-6	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 01:21	JGH	108-10-1	1
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 01:21	JGH	591-78-6	1
Carbon tetrachloride	61	ug/L	1	SW8260C	06/05/15 01:21	JGH	56-23-5	1
Benzene	48	ug/L	1	SW8260C	06/05/15 01:21	JGH	71-43-2	1
1,2-Dichloroethane	47	ug/L	1	SW8260C	06/05/15 01:21	JGH	107-06-2	1
Trichloroethene	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	79-01-6	1
1,2-Dichloropropane	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	78-87-5	1

1-Spiked at 50ug/l

Lab Sample ID: S66013.05 (continued)
Sample Tag: OBG-MW7D MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromodichloromethane	52	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-27-4	1
Dibromomethane	51	ug/L	5	SW8260C	06/05/15 01:21	JGH	74-95-3	1
cis-1,3-Dichloropropene	47	ug/L	1	SW8260C	06/05/15 01:21	JGH	10061-01-5	1
Toluene	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	108-88-3	1
trans-1,3-Dichloropropene	46	ug/L	1	SW8260C	06/05/15 01:21	JGH	10061-02-6	1
1,1,2-Trichloroethane	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	79-00-5	1
Tetrachloroethene	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	127-18-4	1
trans-1,4-Dichloro-2-butene	30	ug/L	1	SW8260C	06/05/15 01:21	JGH	110-57-6	1
Dibromochloromethane	52	ug/L	5	SW8260C	06/05/15 01:21	JGH	124-48-1	1
1,2-Dibromoethane	53	ug/L	1	SW8260C	06/05/15 01:21	JGH	106-93-4	1
Chlorobenzene	53	ug/L	1	SW8260C	06/05/15 01:21	JGH	108-90-7	1
1,1,1,2-Tetrachloroethane	53	ug/L	1	SW8260C	06/05/15 01:21	JGH	630-20-6	1
Ethylbenzene	50	ug/L	1	SW8260C	06/05/15 01:21	JGH	100-41-4	1
p,m-Xylene	95	ug/L	2	SW8260C	06/05/15 01:21	JGH		1
o-Xylene	47	ug/L	1	SW8260C	06/05/15 01:21	JGH	95-47-6	1
Styrene	37	ug/L	1	SW8260C	06/05/15 01:21	JGH	100-42-5	1
Isopropylbenzene	51	ug/L	5	SW8260C	06/05/15 01:21	JGH	98-82-8	1
Bromoform	44	ug/L	1	SW8260C	06/05/15 01:21	JGH	75-25-2	1
1,1,2,2-Tetrachloroethane	46	ug/L	1	SW8260C	06/05/15 01:21	JGH	79-34-5	1
1,2,3-Trichloropropane	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	96-18-4	1
n-Propylbenzene	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	103-65-1	1
Bromobenzene	52	ug/L	1	SW8260C	06/05/15 01:21	JGH	108-86-1	1
1,3,5-Trimethylbenzene	44	ug/L	1	SW8260C	06/05/15 01:21	JGH	108-67-8	1
tert-Butylbenzene	49	ug/L	1	SW8260C	06/05/15 01:21	JGH	98-06-6	1
1,2,4-Trimethylbenzene	44	ug/L	1	SW8260C	06/05/15 01:21	JGH	95-63-6	1
sec-Butylbenzene	53	ug/L	1	SW8260C	06/05/15 01:21	JGH	135-98-8	1
p-Isopropyltoluene	54	ug/L	5	SW8260C	06/05/15 01:21	JGH	99-87-6	1
1,3-Dichlorobenzene	52	ug/L	1	SW8260C	06/05/15 01:21	JGH	541-73-1	1
1,4-Dichlorobenzene	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	106-46-7	1
1,2-Dichlorobenzene	51	ug/L	1	SW8260C	06/05/15 01:21	JGH	95-50-1	1
1,2,3-Trimethylbenzene	43	ug/L	1	SW8260C	06/05/15 01:21	JGH	526-73-8	1
n-Butylbenzene	54	ug/L	1	SW8260C	06/05/15 01:21	JGH	104-51-8	1
Hexachloroethane	47	ug/L	5	SW8260C	06/05/15 01:21	JGH	67-72-1	1
1,2-Dibromo-3-chloropropane	43	ug/L	5	SW8260C	06/05/15 01:21	JGH	96-12-8	1
1,2,4-Trichlorobenzene	53	ug/L	5	SW8260C	06/05/15 01:21	JGH	120-82-1	1
1,2,3-Trichlorobenzene	53	ug/L	5	SW8260C	06/05/15 01:21	JGH	87-61-6	1
Naphthalene	49	ug/L	5	SW8260C	06/05/15 01:21	JGH	91-20-3	1
2-Methylnaphthalene	54	ug/L	5	SW8260C	06/05/15 01:21	JGH	91-57-6	1

1-Spiked at 50ug/l

Analytical Laboratory Report

Lab Sample ID: S66013.06
Sample Tag: OBG-MW6S
Collected Date/Time: 05/28/2015 12:30
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.006	mg/L	0.002	E200.8	06/10/15 14:06	JRH	7440-38-2	
Barium	0.148	mg/L	0.005	E200.8	06/10/15 14:06	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:06	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:06	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 14:06	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 04:01	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 04:01	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 04:01	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 04:01	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 04:01	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 04:01	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 04:01	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-27-4	

Lab Sample ID: S66013.06 (continued)
Sample Tag: OBG-MW6S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 04:01	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:01	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:01	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.07
Sample Tag: OBG-MW6D
Collected Date/Time: 05/28/2015 13:40
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.017	mg/L	0.002	E200.8	06/10/15 14:10	JRH	7440-38-2	
Barium	0.082	mg/L	0.005	E200.8	06/10/15 14:10	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:10	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:10	JRH	7782-49-2	
Zinc	0.007	mg/L	0.005	E200.8	06/10/15 14:10	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 04:22	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 04:22	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 04:22	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 04:22	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 04:22	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 04:22	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 04:22	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-27-4	

Lab Sample ID: S66013.07 (continued)
Sample Tag: OBG-MW6D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 04:22	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:22	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:22	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.08
Sample Tag: OBG-MW2S
Collected Date/Time: 05/28/2015 14:40
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.021	mg/L	0.002	E200.8	06/10/15 14:14	JRH	7440-38-2	
Barium	0.169	mg/L	0.005	E200.8	06/10/15 14:14	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:14	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:14	JRH	7782-49-2	
Zinc	0.007	mg/L	0.005	E200.8	06/10/15 14:14	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 04:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 04:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 04:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 04:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 04:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 04:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 04:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-27-4	

Lab Sample ID: S66013.08 (continued)
Sample Tag: OBG-MW2S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 04:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 04:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 04:41	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.09
Sample Tag: OBG-MW2D
Collected Date/Time: 05/28/2015 15:50
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.028	mg/L	0.002	E200.8	06/10/15 14:17	JRH	7440-38-2	
Barium	0.292	mg/L	0.005	E200.8	06/10/15 14:17	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:17	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:17	JRH	7782-49-2	
Zinc	0.009	mg/L	0.005	E200.8	06/10/15 14:17	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 05:01	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 05:01	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 05:01	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 05:01	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 05:01	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 05:01	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 05:01	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-27-4	

Lab Sample ID: S66013.09 (continued)
Sample Tag: OBG-MW2D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 05:01	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:01	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:01	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.10
Sample Tag: OBG-MW3S
Collected Date/Time: 05/28/2015 16:35
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.013	mg/L	0.002	E200.8	06/10/15 14:21	JRH	7440-38-2	
Barium	0.116	mg/L	0.005	E200.8	06/10/15 14:21	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:21	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:21	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 14:21	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 05:21	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 05:21	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 05:21	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 05:21	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 05:21	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 05:21	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 05:21	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-27-4	

Lab Sample ID: S66013.10 (continued)
Sample Tag: OBG-MW3S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 05:21	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:21	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:21	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.11
Sample Tag: DUP-1
Collected Date/Time: 05/28/2015 00:01
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.021	mg/L	0.002	E200.8	06/10/15 14:25	JRH	7440-38-2	
Barium	0.170	mg/L	0.005	E200.8	06/10/15 14:25	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:25	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:25	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 14:25	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 05:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 05:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 05:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 05:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 05:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 05:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 05:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-27-4	

Lab Sample ID: S66013.11 (continued)
Sample Tag: DUP-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 05:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 05:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 05:41	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.12
Sample Tag: OBG-OS-MW3
Collected Date/Time: 05/29/2015 08:55
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.021	mg/L	0.002	E200.8	06/10/15 14:28	JRH	7440-38-2	
Barium	0.226	mg/L	0.005	E200.8	06/10/15 14:28	JRH	7440-39-3	
Lead	0.005	mg/L	0.003	E200.8	06/10/15 14:28	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:28	JRH	7782-49-2	
Zinc	0.010	mg/L	0.005	E200.8	06/10/15 14:28	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 06:02	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 06:02	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 06:02	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 06:02	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 06:02	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 06:02	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 06:02	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-27-4	

Lab Sample ID: S66013.12 (continued)
Sample Tag: OBG-OS-MW3

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 06:02	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:02	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 06:02	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.13
Sample Tag: OBG-OS-MW4
Collected Date/Time: 05/29/2015 09:55
Matrix: Groundwater
COC Reference: 87506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.002	mg/L	0.002	E200.8	06/10/15 15:05	JRH	7440-38-2	
Barium	1.32	mg/L	0.005	E200.8	06/10/15 15:05	JRH	7440-39-3	
Lead	0.003	mg/L	0.003	E200.8	06/10/15 15:05	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:05	JRH	7782-49-2	
Zinc	0.005	mg/L	0.005	E200.8	06/10/15 15:05	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 21:56	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 21:56	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 21:56	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 21:56	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 21:56	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 21:56	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 21:56	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-27-4	

Lab Sample ID: S66013.13 (continued)
Sample Tag: OBG-OS-MW4

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	106-93-4	
Chlorobenzene	6	ug/L	1	SW8260C	06/05/15 21:56	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	630-20-6	
Ethylbenzene	3	ug/L	1	SW8260C	06/05/15 21:56	LBR	100-41-4	
p,m-Xylene	5	ug/L	2	SW8260C	06/05/15 21:56	LBR		
o-Xylene	2	ug/L	1	SW8260C	06/05/15 21:56	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	96-18-4	
n-Propylbenzene	6	ug/L	1	SW8260C	06/05/15 21:56	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	98-06-6	
1,2,4-Trimethylbenzene	5	ug/L	1	SW8260C	06/05/15 21:56	LBR	95-63-6	
sec-Butylbenzene	2	ug/L	1	SW8260C	06/05/15 21:56	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	99-87-6	
1,3-Dichlorobenzene	4	ug/L	1	SW8260C	06/05/15 21:56	LBR	541-73-1	
1,4-Dichlorobenzene	4	ug/L	1	SW8260C	06/05/15 21:56	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	95-50-1	
1,2,3-Trimethylbenzene	3	ug/L	1	SW8260C	06/05/15 21:56	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 21:56	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 21:56	LBR	87-61-6	
Naphthalene	139	ug/L	5	SW8260C	06/05/15 21:56	LBR	91-20-3	
2-Methylnaphthalene	39	ug/L	5	SW8260C	06/05/15 21:56	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.14
Sample Tag: OBG-OS-MW5
Collected Date/Time: 05/29/2015 10:55
Matrix: Groundwater
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	06/10/15 15:09	JRH	7440-38-2	
Barium	2.37	mg/L	0.005	E200.8	06/10/15 15:09	JRH	7440-39-3	
Lead	0.008	mg/L	0.003	E200.8	06/10/15 15:09	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:09	JRH	7782-49-2	
Zinc	0.019	mg/L	0.005	E200.8	06/10/15 15:09	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 06:22	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 06:22	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 06:22	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 06:22	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 06:22	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 06:22	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 06:22	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-27-4	

Lab Sample ID: S66013.14 (continued)
Sample Tag: OBG-OS-MW5

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	106-93-4	
Chlorobenzene	7	ug/L	1	SW8260C	06/05/15 06:22	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 06:22	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	541-73-1	
1,4-Dichlorobenzene	2	ug/L	1	SW8260C	06/05/15 06:22	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:22	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	87-61-6	
Naphthalene	16	ug/L	5	SW8260C	06/05/15 06:22	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 06:22	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.15
Sample Tag: OBG-OS-MW1
Collected Date/Time: 05/29/2015 12:05
Matrix: Groundwater
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.040	mg/L	0.002	E200.8	06/10/15 15:13	JRH	7440-38-2	
Barium	0.907	mg/L	0.005	E200.8	06/10/15 15:13	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 15:13	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:13	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 15:13	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 06:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 06:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 06:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 06:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 06:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 06:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 06:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-27-4	

Lab Sample ID: S66013.15 (continued)
Sample Tag: OBG-OS-MW1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 06:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 06:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 06:41	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.16
Sample Tag: OBG-OS-MW2
Collected Date/Time: 05/29/2015 12:55
Matrix: Groundwater
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.053	mg/L	0.002	E200.8	06/10/15 15:24	JRH	7440-38-2	
Barium	0.264	mg/L	0.005	E200.8	06/10/15 15:24	JRH	7440-39-3	
Lead	0.007	mg/L	0.003	E200.8	06/10/15 15:24	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:24	JRH	7782-49-2	
Zinc	0.022	mg/L	0.005	E200.8	06/10/15 15:24	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 07:01	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 07:01	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 07:01	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 07:01	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 07:01	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 07:01	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 07:01	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-27-4	

Lab Sample ID: S66013.16 (continued)
Sample Tag: OBG-OS-MW2

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 07:01	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:01	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:01	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.17
Sample Tag: Field Blank-1
Collected Date/Time: 05/29/2015 13:40
Matrix: Quality Control
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	06/10/15 14:58	JRH	7440-38-2	
Barium	Not detected	mg/L	0.005	E200.8	06/10/15 14:58	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 14:58	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 14:58	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 14:58	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 07:21	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 07:21	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 07:21	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 07:21	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 07:21	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 07:21	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 07:21	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-27-4	

Lab Sample ID: S66013.17 (continued)
Sample Tag: Field Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 07:21	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:21	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:21	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.18
Sample Tag: Equipment Blank-1
Collected Date/Time: 05/29/2015 14:00
Matrix: Quality Control
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	06/10/15 15:02	JRH	7440-38-2	
Barium	Not detected	mg/L	0.005	E200.8	06/10/15 15:02	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 15:02	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:02	JRH	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	06/10/15 15:02	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 07:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 07:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 07:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 07:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 07:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 07:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 07:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-27-4	

Lab Sample ID: S66013.18 (continued)
Sample Tag: Equipment Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 07:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 07:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 07:41	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.19
Sample Tag: OBG-MW5S
Collected Date/Time: 05/29/2015 14:20
Matrix: Groundwater
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.003	mg/L	0.002	E200.8	06/10/15 15:16	JRH	7440-38-2	
Barium	1.32	mg/L	0.005	E200.8	06/10/15 15:16	JRH	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	06/10/15 15:16	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:16	JRH	7782-49-2	
Zinc	0.009	mg/L	0.005	E200.8	06/10/15 15:16	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 08:01	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 08:01	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 08:01	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 08:01	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 08:01	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 08:01	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 08:01	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-27-4	

Lab Sample ID: S66013.19 (continued)
Sample Tag: OBG-MW5S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 08:01	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:01	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:01	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.20
Sample Tag: OBG-MW5S Collocated
Collected Date/Time: 05/29/2015 14:20
Matrix: Groundwater
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.3	IR
3	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/10/15 10:00	JRH		
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:20	LBR		
Metals								
Arsenic	0.003	mg/L	0.002	E200.8	06/10/15 15:20	JRH	7440-38-2	
Barium	1.32	mg/L	0.005	E200.8	06/10/15 15:20	JRH	7440-39-3	
Lead	0.003	mg/L	0.003	E200.8	06/10/15 15:20	JRH	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	06/10/15 15:20	JRH	7782-49-2	
Zinc	0.015	mg/L	0.005	E200.8	06/10/15 15:20	JRH	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 08:21	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 08:21	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 08:21	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 08:21	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 08:21	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 08:21	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 08:21	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-27-4	

Lab Sample ID: S66013.20 (continued)
Sample Tag: OBG-MW5S Collocated

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 08:21	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:21	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:21	JGH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S66013.21
Sample Tag: Trip Blank-1
Collected Date/Time: 05/29/2015 00:01
Matrix: Quality Control
COC Reference: 83470

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
pH check for VOCs	<2	STD Units		N/A	06/05/15 11:25	LBR		
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	06/05/15 08:41	JGH	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/05/15 08:41	JGH	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/05/15 08:41	JGH	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/05/15 08:41	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/05/15 08:41	JGH	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/05/15 08:41	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/05/15 08:41	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	106-93-4	

Lab Sample ID: S66013.21 (continued)
Sample Tag: Trip Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/05/15 08:41	JGH		
o-Xylene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/05/15 08:41	JGH	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/05/15 08:41	JGH	91-57-6	

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 2

87506

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	Tony Finch
COMPANY	O'Brien & Gere
ADDRESS	37000 Grand River
CITY	Farmington Hills
STATE	MI
ZIP CODE	48335
PHONE NO.	248-477-5701
FAX NO.	248-477-5962
E-MAIL ADDRESS	Anthony.Finch@OBG.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 Site #1291 - Burton Parcel

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	Dissolved As, Ba, Pb, Se, Zn
66013.01	5/28/15	855	OBG-MW1S	GW	4		3	1					X	X	
.02		1015	OBG-MW7S		4		3	1					X		X
.03		1130	OBG-MW7D		4		3	1					X	X	
.04/.05		1130	OBG-MW7D (MS/MSD)		14		12	2					X	X	
.06		1230	OBG-MW6S		4		3	1					X	X	
.07		1340	OBG-MW6D		4		3	1					X	X	
.08		1440	OBG-MW2S		4		3	1					X	X	
.09		1550	OBG-MW2D		4		3	1					X	X	
.10		1635	OBG-MW3S		4		3	1					X	X	
.11	↓	—	DUP-1		4		3	1					X	X	
.12	5/29/15	855	OBG-OS-MW3		4		3	1					X	X	
.13	↓	955	OBG-OS-MW4	↓	4		3	1					X	X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	☒ Sampler	DATE 5/29/15 TIME 1445
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 5/29/15 TIME 1500
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE 5/29/15 TIME 1600
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 05/29/15 TIME 1600

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

NOTES: TEMP. ON ARRIVAL 5.7

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

Rev. 5.18.12

Merit Laboratories, Inc.

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C.O.C. PAGE # 2 OF 2

83470

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Day Finch
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248 477-5701 FAX NO.: 248-477-5940 P.O. NO.:
E-MAIL ADDRESS: Anthony.finch@obg.com QUOTE NO.:

INVOICE TO

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

PROJECT NO./NAME: RACER Site # 1291 - Burton Parcel
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Sinnott

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

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

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

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

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL As, Ba, Pb, Se, Zn	Dissolved As, Ba, Pb, Se, Zn
06013.14	5/27/15	1055	OBG-05-MW5	GW	4		3	1					X	X	
.15		1205	OBG-05-MW1	GW	4		3	1					X	X	
.16		1255	OBG-05-MW2	GW	4		3	1					X	X	
.17		1340	Field Blank-1	QC	4		3	1					X	X	
.18		1400	Equipment Blank-1	QC	4		3	1					X	X	
.19		1420	OBG-MW55	GW	4		3	1					X	X	
.20		1420	OBG-MW55 collocated	GW	4		3	1					X	X	
.21		—	Trip Blank-1	QC	2		2						X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	☒ Sampler	DATE 5/29/15	TIME 1445
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 5-29-15	TIME 1500
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE 5-29-15	TIME 1600
RECEIVED BY: SIGNATURE/ORGANIZATION	Michelle Dunkerman		DATE 05/29/15	TIME 1600
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL 5.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

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

Rev. 5.18.12

Exhibit C

Groundwater Analytical Data October 2015

Analytical Laboratory Report

Report ID: S69219.01(01)
Generated on 11/11/2015

Report to

Attention: Tony Finch
O'Brien & Gere Engineers, Inc.
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: Anthony.Finch@obg.com

Addtional Contacts: John O'Neill

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:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S69219.01-S69219.21
Project: RACER Site #1291 - Burton Parcel
Collected Date: 10/28/2015 - 10/30/2015
Submitted Date/Time: 10/30/2015 13:35
Sampled by: Kevin Schneider
P.O. #: PO

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by 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).
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 need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
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 Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

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

Glossary of Abbreviations

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

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
SW8260C	SW 846 Method 8260C Revision 3 August 2006

Sample Summary (21 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S69219.01	OBG-MW1S	Groundwater	10/28/15 09:30
S69219.02	OBG-MW3S	Groundwater	10/28/15 10:45
S69219.03	OBG-MW5S	Groundwater	10/28/15 12:25
S69219.04	OBG-OS-MW3	Groundwater	10/28/15 14:15
S69219.05	OBG-OS-MW4	Groundwater	10/28/15 15:05
S69219.06	DUP-1	Groundwater	10/28/15 00:01
S69219.07	OBG-OS-MW5	Groundwater	10/28/15 16:05
S69219.08	OBG-MW7S	Groundwater	10/28/15 17:05
S69219.09	OBG-MW7D	Groundwater	10/29/15 09:45
S69219.10	OBG-MW6S	Groundwater	10/29/15 10:55
S69219.11	OBG-MW6D	Groundwater	10/29/15 12:00
S69219.12	OBG-MW6D collacted	Groundwater	10/29/15 12:00
S69219.13	OBG-MW2S	Groundwater	10/29/15 12:50
S69219.14	OBG-MW2D	Groundwater	10/29/15 14:10
S69219.15	OBG-MW2D MS	Groundwater	10/29/15 14:10
S69219.16	OBG-MW2D MSD	Groundwater	10/29/15 14:10
S69219.17	Field Blank-1	Quality Control	10/29/15 14:30
S69219.18	Equipment Blank-1	Quality Control	10/29/15 15:00
S69219.19	OBG-OS-MW1	Groundwater	10/30/15 09:30
S69219.20	OBG-OS-MW2	Groundwater	10/30/15 10:10
S69219.21	Trip Blank-1	Quality Control	10/30/15 00:01

Analytical Laboratory Report

Lab Sample ID: S69219.01
Sample Tag: OBG-MW1S
Collected Date/Time: 10/28/2015 09:30
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.004	mg/L	0.002	E200.8	11/06/15 11:22	CCM	7440-38-2	
Barium	0.167	mg/L	0.005	E200.8	11/06/15 11:22	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:22	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:22	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 11:22	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 20:56	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 20:56	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 20:56	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 20:56	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 20:56	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 20:56	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 20:56	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-27-4	

Lab Sample ID: S69219.01 (continued)
Sample Tag: OBG-MW1S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 20:56	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:56	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:56	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.02
Sample Tag: OBG-MW3S
Collected Date/Time: 10/28/2015 10:45
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.012	mg/L	0.002	E200.8	11/06/15 11:25	CCM	7440-38-2	
Barium	0.164	mg/L	0.005	E200.8	11/06/15 11:25	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:25	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:25	CCM	7782-49-2	
Zinc	0.006	mg/L	0.005	E200.8	11/06/15 11:25	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 21:18	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 21:18	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 21:18	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 21:18	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 21:18	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 21:18	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 21:18	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-27-4	

Lab Sample ID: S69219.02 (continued)
Sample Tag: OBG-MW3S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 21:18	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:18	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 21:18	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.03
Sample Tag: OBG-MW5S
Collected Date/Time: 10/28/2015 12:25
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic, Dissolved	0.002	mg/L	0.002	E200.8	11/06/15 11:28	CCM	7440-38-2	
Barium, Dissolved	1.25	mg/L	0.005	E200.8	11/06/15 11:28	CCM	7440-39-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	11/06/15 11:28	CCM	7439-92-1	
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	11/06/15 11:28	CCM	7782-49-2	
Zinc, Dissolved	Not detected	mg/L	0.005	E200.8	11/06/15 11:28	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 21:40	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 21:40	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 21:40	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 21:40	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 21:40	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 21:40	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 21:40	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-27-4	

Lab Sample ID: S69219.03 (continued)
Sample Tag: OBG-MW5S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 21:40	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	541-73-1	
1,4-Dichlorobenzene	2	ug/L	1	SW8260C	11/05/15 21:40	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 21:40	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 21:40	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.04
Sample Tag: OBG-OS-MW3
Collected Date/Time: 10/28/2015 14:15
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.006	mg/L	0.002	E200.8	11/06/15 11:31	CCM	7440-38-2	
Barium	1.41	mg/L	0.005	E200.8	11/06/15 11:31	CCM	7440-39-3	
Lead	0.006	mg/L	0.003	E200.8	11/06/15 11:31	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:31	CCM	7782-49-2	
Zinc	0.013	mg/L	0.005	E200.8	11/06/15 11:31	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 22:02	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 22:02	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 22:02	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 22:02	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 22:02	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 22:02	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 22:02	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-27-4	

Lab Sample ID: S69219.04 (continued)
Sample Tag: OBG-OS-MW3

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 22:02	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:02	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 22:02	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.05
Sample Tag: OBG-OS-MW4
Collected Date/Time: 10/28/2015 15:05
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.002	mg/L	0.002	E200.8	11/06/15 11:34	CCM	7440-38-2	
Barium	1.34	mg/L	0.005	E200.8	11/06/15 11:34	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:34	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:34	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 11:34	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 22:24	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 22:24	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 22:24	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 22:24	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 22:24	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 22:24	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 22:24	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-27-4	

Lab Sample ID: S69219.05 (continued)
Sample Tag: OBG-OS-MW4

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	106-93-4	
Chlorobenzene	7	ug/L	1	SW8260C	11/05/15 22:24	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	630-20-6	
Ethylbenzene	2	ug/L	1	SW8260C	11/05/15 22:24	LBR	100-41-4	
p,m-Xylene	5	ug/L	2	SW8260C	11/05/15 22:24	LBR		
o-Xylene	2	ug/L	1	SW8260C	11/05/15 22:24	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	100-42-5	
Isopropylbenzene	6	ug/L	5	SW8260C	11/05/15 22:24	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	96-18-4	
n-Propylbenzene	11	ug/L	1	SW8260C	11/05/15 22:24	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	108-86-1	
1,3,5-Trimethylbenzene	1	ug/L	1	SW8260C	11/05/15 22:24	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	98-06-6	
1,2,4-Trimethylbenzene	7	ug/L	1	SW8260C	11/05/15 22:24	LBR	95-63-6	
sec-Butylbenzene	3	ug/L	1	SW8260C	11/05/15 22:24	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	541-73-1	
1,4-Dichlorobenzene	5	ug/L	1	SW8260C	11/05/15 22:24	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:24	LBR	95-50-1	
1,2,3-Trimethylbenzene	4	ug/L	1	SW8260C	11/05/15 22:24	LBR	526-73-8	
n-Butylbenzene	1	ug/L	1	SW8260C	11/05/15 22:24	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:24	LBR	87-61-6	
Naphthalene	172	ug/L	5	SW8260C	11/05/15 22:24	LBR	91-20-3	
2-Methylnaphthalene	64	ug/L	5	SW8260C	11/05/15 22:24	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.06
Sample Tag: DUP-1
Collected Date/Time: 10/28/2015 00:01
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.002	mg/L	0.002	E200.8	11/06/15 11:37	CCM	7440-38-2	
Barium	1.35	mg/L	0.005	E200.8	11/06/15 11:37	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:37	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:37	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 11:37	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 22:46	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 22:46	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 22:46	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 22:46	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 22:46	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 22:46	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 22:46	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-27-4	

Lab Sample ID: S69219.06 (continued)
Sample Tag: DUP-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	106-93-4	
Chlorobenzene	7	ug/L	1	SW8260C	11/05/15 22:46	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	630-20-6	
Ethylbenzene	3	ug/L	1	SW8260C	11/05/15 22:46	LBR	100-41-4	
p,m-Xylene	5	ug/L	2	SW8260C	11/05/15 22:46	LBR		
o-Xylene	2	ug/L	1	SW8260C	11/05/15 22:46	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	100-42-5	
Isopropylbenzene	6	ug/L	5	SW8260C	11/05/15 22:46	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	96-18-4	
n-Propylbenzene	10	ug/L	1	SW8260C	11/05/15 22:46	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	108-86-1	
1,3,5-Trimethylbenzene	1	ug/L	1	SW8260C	11/05/15 22:46	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	98-06-6	
1,2,4-Trimethylbenzene	7	ug/L	1	SW8260C	11/05/15 22:46	LBR	95-63-6	
sec-Butylbenzene	2	ug/L	1	SW8260C	11/05/15 22:46	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	541-73-1	
1,4-Dichlorobenzene	4	ug/L	1	SW8260C	11/05/15 22:46	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 22:46	LBR	95-50-1	
1,2,3-Trimethylbenzene	4	ug/L	1	SW8260C	11/05/15 22:46	LBR	526-73-8	
n-Butylbenzene	1	ug/L	1	SW8260C	11/05/15 22:46	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 22:46	LBR	87-61-6	
Naphthalene	159	ug/L	5	SW8260C	11/05/15 22:46	LBR	91-20-3	
2-Methylnaphthalene	64	ug/L	5	SW8260C	11/05/15 22:46	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.07
Sample Tag: OBG-OS-MW5
Collected Date/Time: 10/28/2015 16:05
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	11/06/15 11:40	CCM	7440-38-2	
Barium	2.22	mg/L	0.005	E200.8	11/06/15 11:40	CCM	7440-39-3	
Lead	0.013	mg/L	0.003	E200.8	11/06/15 11:40	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:40	CCM	7782-49-2	
Zinc	0.009	mg/L	0.005	E200.8	11/06/15 11:40	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/10/15 17:20	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/10/15 17:20	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/10/15 17:20	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/10/15 17:20	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/10/15 17:20	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/10/15 17:20	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/10/15 17:20	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-27-4	

Lab Sample ID: S69219.07 (continued)
Sample Tag: OBG-OS-MW5

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	106-93-4	
Chlorobenzene	10	ug/L	1	SW8260C	11/10/15 17:20	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/10/15 17:20	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	96-18-4	
n-Propylbenzene	2	ug/L	1	SW8260C	11/10/15 17:20	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	541-73-1	
1,4-Dichlorobenzene	5	ug/L	1	SW8260C	11/10/15 17:20	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/10/15 17:20	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/10/15 17:20	LBR	91-20-3	
2-Methylnaphthalene	6	ug/L	5	SW8260C	11/10/15 17:20	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.08
Sample Tag: OBG-MW7S
Collected Date/Time: 10/28/2015 17:05
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic, Dissolved	0.022	mg/L	0.002	E200.8	11/06/15 11:43	CCM	7440-38-2	
Barium, Dissolved	0.241	mg/L	0.005	E200.8	11/06/15 11:43	CCM	7440-39-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	11/06/15 11:43	CCM	7439-92-1	
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	11/06/15 11:43	CCM	7782-49-2	
Zinc, Dissolved	Not detected	mg/L	0.005	E200.8	11/06/15 11:43	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 23:30	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 23:30	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 23:30	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 23:30	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 23:30	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 23:30	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 23:30	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-27-4	

Lab Sample ID: S69219.08 (continued)
Sample Tag: OBG-MW7S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 23:30	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:30	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 23:30	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.09
Sample Tag: OBG-MW7D
Collected Date/Time: 10/29/2015 09:45
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.034	mg/L	0.002	E200.8	11/06/15 11:46	CCM	7440-38-2	
Barium	0.099	mg/L	0.005	E200.8	11/06/15 11:46	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:46	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:46	CCM	7782-49-2	
Zinc	0.008	mg/L	0.005	E200.8	11/06/15 11:46	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 23:52	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 23:52	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 23:52	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 23:52	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 23:52	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 23:52	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 23:52	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-27-4	

Lab Sample ID: S69219.09 (continued)
Sample Tag: OBG-MW7D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 23:52	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 23:52	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 23:52	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.10
Sample Tag: OBG-MW6S
Collected Date/Time: 10/29/2015 10:55
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.013	mg/L	0.002	E200.8	11/06/15 12:07	CCM	7440-38-2	
Barium	0.178	mg/L	0.005	E200.8	11/06/15 12:07	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:07	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:07	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 12:07	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 00:14	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 00:14	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 00:14	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 00:14	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 00:14	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 00:14	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 00:14	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-27-4	

Lab Sample ID: S69219.10 (continued)
Sample Tag: OBG-MW6S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 00:14	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:14	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:14	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.11
Sample Tag: OBG-MW6D
Collected Date/Time: 10/29/2015 12:00
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.015	mg/L	0.002	E200.8	11/06/15 12:10	CCM	7440-38-2	
Barium	0.080	mg/L	0.005	E200.8	11/06/15 12:10	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:10	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:10	CCM	7782-49-2	
Zinc	0.013	mg/L	0.005	E200.8	11/06/15 12:10	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 00:36	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 00:36	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 00:36	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 00:36	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 00:36	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 00:36	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 00:36	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-27-4	

Lab Sample ID: S69219.11 (continued)
Sample Tag: OBG-MW6D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 00:36	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:36	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:36	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.12
Sample Tag: OBG-MW6D collacted
Collected Date/Time: 10/29/2015 12:00
Matrix: Groundwater
COC Reference: 92759

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.015	mg/L	0.002	E200.8	11/06/15 12:13	CCM	7440-38-2	
Barium	0.078	mg/L	0.005	E200.8	11/06/15 12:13	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:13	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:13	CCM	7782-49-2	
Zinc	0.013	mg/L	0.005	E200.8	11/06/15 12:13	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 00:58	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 00:58	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 00:58	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 00:58	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 00:58	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 00:58	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 00:58	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-27-4	

Lab Sample ID: S69219.12 (continued)
Sample Tag: OBG-MW6D collacted

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 00:58	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 00:58	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 00:58	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.13
Sample Tag: OBG-MW2S
Collected Date/Time: 10/29/2015 12:50
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.033	mg/L	0.002	E200.8	11/06/15 12:16	CCM	7440-38-2	
Barium	0.178	mg/L	0.005	E200.8	11/06/15 12:16	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:16	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:16	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 12:16	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 01:20	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 01:20	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 01:20	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 01:20	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 01:20	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 01:20	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 01:20	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-27-4	

Lab Sample ID: S69219.13 (continued)
Sample Tag: OBG-MW2S

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 01:20	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:20	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 01:20	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.14
Sample Tag: OBG-MW2D
Collected Date/Time: 10/29/2015 14:10
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.042	mg/L	0.002	E200.8	11/06/15 11:49	CCM	7440-38-2	
Barium	0.290	mg/L	0.005	E200.8	11/06/15 11:49	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 11:49	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 11:49	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 11:49	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 19:07	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 19:07	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 19:07	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 19:07	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 19:07	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 19:07	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 19:07	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-27-4	

Lab Sample ID: S69219.14 (continued)
Sample Tag: OBG-MW2D

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 19:07	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:07	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 19:07	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.15
Sample Tag: OBG-MW2D MS
Collected Date/Time: 10/29/2015 14:10
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
4	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.324	mg/L	0.002	E200.8	11/06/15 11:52	CCM	7440-38-2	
Barium	0.556	mg/L	0.005	E200.8	11/06/15 11:52	CCM	7440-39-3	
Lead	0.238	mg/L	0.003	E200.8	11/06/15 11:52	CCM	7439-92-1	
Selenium	0.261	mg/L	0.005	E200.8	11/06/15 11:52	CCM	7782-49-2	
Zinc	0.264	mg/L	0.005	E200.8	11/06/15 11:52	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	47	ug/L	10	SW8260C	11/05/15 16:56	LBR	60-29-7	1
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 16:56	LBR	67-64-1	1
Methyl iodide	46	ug/L	1	SW8260C	11/05/15 16:56	LBR	74-88-4	1
Carbon disulfide	42	ug/L	5	SW8260C	11/05/15 16:56	LBR	75-15-0	1
tert-Methyl butyl ether (MTBE)	47	ug/L	5	SW8260C	11/05/15 16:56	LBR	1634-04-4	1
Acrylonitrile	47	ug/L	2	SW8260C	11/05/15 16:56	LBR	107-13-1	1
2-Butanone (MEK)	27	ug/L	25	SW8260C	11/05/15 16:56	LBR	78-93-3	1
Dichlorodifluoromethane	49	ug/L	5	SW8260C	11/05/15 16:56	LBR	75-71-8	1
Chloromethane	49	ug/L	5	SW8260C	11/05/15 16:56	LBR	74-87-3	1
Vinyl chloride	50	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-01-4	1
Bromomethane	41	ug/L	5	SW8260C	11/05/15 16:56	LBR	74-83-9	1
Chloroethane	43	ug/L	5	SW8260C	11/05/15 16:56	LBR	75-00-3	1
Trichlorofluoromethane	46	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-69-4	1
1,1-Dichloroethene	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-35-4	1
Methylene chloride	46	ug/L	5	SW8260C	11/05/15 16:56	LBR	75-09-2	1
trans-1,2-Dichloroethene	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	156-60-5	1
1,1-Dichloroethane	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-34-3	1
cis-1,2-Dichloroethene	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	156-59-2	1
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 16:56	LBR	109-99-9	1
Chloroform	46	ug/L	1	SW8260C	11/05/15 16:56	LBR	67-66-3	1
Bromochloromethane	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	74-97-5	1
1,1,1-Trichloroethane	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	71-55-6	1
4-Methyl-2-pentanone (MIBK)	52	ug/L	50	SW8260C	11/05/15 16:56	LBR	108-10-1	1
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 16:56	LBR	591-78-6	1
Carbon tetrachloride	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	56-23-5	1
Benzene	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	71-43-2	1
1,2-Dichloroethane	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	107-06-2	1
Trichloroethene	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	79-01-6	1
1,2-Dichloropropane	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	78-87-5	1

1-Sample spiked at 0.050 mg/l

Lab Sample ID: S69219.15 (continued)
Sample Tag: OBG-MW2D MS

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromodichloromethane	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-27-4	1
Dibromomethane	48	ug/L	5	SW8260C	11/05/15 16:56	LBR	74-95-3	1
cis-1,3-Dichloropropene	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	10061-01-5	1
Toluene	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	108-88-3	1
trans-1,3-Dichloropropene	49	ug/L	1	SW8260C	11/05/15 16:56	LBR	10061-02-6	1
1,1,2-Trichloroethane	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	79-00-5	1
Tetrachloroethene	42	ug/L	1	SW8260C	11/05/15 16:56	LBR	127-18-4	1
trans-1,4-Dichloro-2-butene	50	ug/L	1	SW8260C	11/05/15 16:56	LBR	110-57-6	1
Dibromochloromethane	50	ug/L	5	SW8260C	11/05/15 16:56	LBR	124-48-1	1
1,2-Dibromoethane	52	ug/L	1	SW8260C	11/05/15 16:56	LBR	106-93-4	1
Chlorobenzene	49	ug/L	1	SW8260C	11/05/15 16:56	LBR	108-90-7	1
1,1,1,2-Tetrachloroethane	49	ug/L	1	SW8260C	11/05/15 16:56	LBR	630-20-6	1
Ethylbenzene	52	ug/L	1	SW8260C	11/05/15 16:56	LBR	100-41-4	1
p,m-Xylene	100	ug/L	2	SW8260C	11/05/15 16:56	LBR		1
o-Xylene	42	ug/L	1	SW8260C	11/05/15 16:56	LBR	95-47-6	1
Styrene	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	100-42-5	1
Isopropylbenzene	52	ug/L	5	SW8260C	11/05/15 16:56	LBR	98-82-8	1
Bromoform	52	ug/L	1	SW8260C	11/05/15 16:56	LBR	75-25-2	1
1,1,2,2-Tetrachloroethane	51	ug/L	1	SW8260C	11/05/15 16:56	LBR	79-34-5	1
1,2,3-Trichloropropane	51	ug/L	1	SW8260C	11/05/15 16:56	LBR	96-18-4	1
n-Propylbenzene	51	ug/L	1	SW8260C	11/05/15 16:56	LBR	103-65-1	1
Bromobenzene	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	108-86-1	1
1,3,5-Trimethylbenzene	49	ug/L	1	SW8260C	11/05/15 16:56	LBR	108-67-8	1
tert-Butylbenzene	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	98-06-6	1
1,2,4-Trimethylbenzene	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	95-63-6	1
sec-Butylbenzene	49	ug/L	1	SW8260C	11/05/15 16:56	LBR	135-98-8	1
p-Isopropyltoluene	39	ug/L	5	SW8260C	11/05/15 16:56	LBR	99-87-6	1
1,3-Dichlorobenzene	44	ug/L	1	SW8260C	11/05/15 16:56	LBR	541-73-1	1
1,4-Dichlorobenzene	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	106-46-7	1
1,2-Dichlorobenzene	45	ug/L	1	SW8260C	11/05/15 16:56	LBR	95-50-1	1
1,2,3-Trimethylbenzene	48	ug/L	1	SW8260C	11/05/15 16:56	LBR	526-73-8	1
n-Butylbenzene	47	ug/L	1	SW8260C	11/05/15 16:56	LBR	104-51-8	1
Hexachloroethane	46	ug/L	5	SW8260C	11/05/15 16:56	LBR	67-72-1	1
1,2-Dibromo-3-chloropropane	48	ug/L	5	SW8260C	11/05/15 16:56	LBR	96-12-8	1
1,2,4-Trichlorobenzene	46	ug/L	5	SW8260C	11/05/15 16:56	LBR	120-82-1	1
1,2,3-Trichlorobenzene	46	ug/L	5	SW8260C	11/05/15 16:56	LBR	87-61-6	1
Naphthalene	49	ug/L	5	SW8260C	11/05/15 16:56	LBR	91-20-3	1
2-Methylnaphthalene	52	ug/L	5	SW8260C	11/05/15 16:56	LBR	91-57-6	1

1-Sample spiked at 0.050 mg/l

Analytical Laboratory Report

Lab Sample ID: S69219.16
Sample Tag: OBG-MW2D MSD
Collected Date/Time: 10/29/2015 14:10
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
4	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.318	mg/L	0.002	E200.8	11/06/15 11:55	CCM	7440-38-2	
Barium	0.553	mg/L	0.005	E200.8	11/06/15 11:55	CCM	7440-39-3	
Lead	0.237	mg/L	0.003	E200.8	11/06/15 11:55	CCM	7439-92-1	
Selenium	0.267	mg/L	0.005	E200.8	11/06/15 11:55	CCM	7782-49-2	
Zinc	0.261	mg/L	0.005	E200.8	11/06/15 11:55	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	47	ug/L	10	SW8260C	11/05/15 17:18	LBR	60-29-7	1
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 17:18	LBR	67-64-1	1
Methyl iodide	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	74-88-4	1
Carbon disulfide	44	ug/L	5	SW8260C	11/05/15 17:18	LBR	75-15-0	1
tert-Methyl butyl ether (MTBE)	48	ug/L	5	SW8260C	11/05/15 17:18	LBR	1634-04-4	1
Acrylonitrile	50	ug/L	2	SW8260C	11/05/15 17:18	LBR	107-13-1	1
2-Butanone (MEK)	32	ug/L	25	SW8260C	11/05/15 17:18	LBR	78-93-3	1
Dichlorodifluoromethane	52	ug/L	5	SW8260C	11/05/15 17:18	LBR	75-71-8	1
Chloromethane	53	ug/L	5	SW8260C	11/05/15 17:18	LBR	74-87-3	1
Vinyl chloride	53	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-01-4	1
Bromomethane	43	ug/L	5	SW8260C	11/05/15 17:18	LBR	74-83-9	1
Chloroethane	45	ug/L	5	SW8260C	11/05/15 17:18	LBR	75-00-3	1
Trichlorofluoromethane	44	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-69-4	1
1,1-Dichloroethene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-35-4	1
Methylene chloride	47	ug/L	5	SW8260C	11/05/15 17:18	LBR	75-09-2	1
trans-1,2-Dichloroethene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	156-60-5	1
1,1-Dichloroethane	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-34-3	1
cis-1,2-Dichloroethene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	156-59-2	1
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 17:18	LBR	109-99-9	1
Chloroform	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	67-66-3	1
Bromochloromethane	46	ug/L	1	SW8260C	11/05/15 17:18	LBR	74-97-5	1
1,1,1-Trichloroethane	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	71-55-6	1
4-Methyl-2-pentanone (MIBK)	52	ug/L	50	SW8260C	11/05/15 17:18	LBR	108-10-1	1
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 17:18	LBR	591-78-6	1
Carbon tetrachloride	49	ug/L	1	SW8260C	11/05/15 17:18	LBR	56-23-5	1
Benzene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	71-43-2	1
1,2-Dichloroethane	46	ug/L	1	SW8260C	11/05/15 17:18	LBR	107-06-2	1
Trichloroethene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	79-01-6	1
1,2-Dichloropropane	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	78-87-5	1

1-Sample spiked at 0.050 mg/l

Lab Sample ID: S69219.16 (continued)
Sample Tag: OBG-MW2D MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromodichloromethane	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-27-4	1
Dibromomethane	50	ug/L	5	SW8260C	11/05/15 17:18	LBR	74-95-3	1
cis-1,3-Dichloropropene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	10061-01-5	1
Toluene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	108-88-3	1
trans-1,3-Dichloropropene	49	ug/L	1	SW8260C	11/05/15 17:18	LBR	10061-02-6	1
1,1,2-Trichloroethane	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	79-00-5	1
Tetrachloroethene	42	ug/L	1	SW8260C	11/05/15 17:18	LBR	127-18-4	1
trans-1,4-Dichloro-2-butene	46	ug/L	1	SW8260C	11/05/15 17:18	LBR	110-57-6	1
Dibromochloromethane	46	ug/L	5	SW8260C	11/05/15 17:18	LBR	124-48-1	1
1,2-Dibromoethane	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	106-93-4	1
Chlorobenzene	44	ug/L	1	SW8260C	11/05/15 17:18	LBR	108-90-7	1
1,1,1,2-Tetrachloroethane	46	ug/L	1	SW8260C	11/05/15 17:18	LBR	630-20-6	1
Ethylbenzene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	100-41-4	1
p,m-Xylene	92	ug/L	2	SW8260C	11/05/15 17:18	LBR		1
o-Xylene	39	ug/L	1	SW8260C	11/05/15 17:18	LBR	95-47-6	1
Styrene	41	ug/L	1	SW8260C	11/05/15 17:18	LBR	100-42-5	1
Isopropylbenzene	47	ug/L	5	SW8260C	11/05/15 17:18	LBR	98-82-8	1
Bromoform	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	75-25-2	1
1,1,2,2-Tetrachloroethane	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	79-34-5	1
1,2,3-Trichloropropane	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	96-18-4	1
n-Propylbenzene	47	ug/L	1	SW8260C	11/05/15 17:18	LBR	103-65-1	1
Bromobenzene	43	ug/L	1	SW8260C	11/05/15 17:18	LBR	108-86-1	1
1,3,5-Trimethylbenzene	45	ug/L	1	SW8260C	11/05/15 17:18	LBR	108-67-8	1
tert-Butylbenzene	45	ug/L	1	SW8260C	11/05/15 17:18	LBR	98-06-6	1
1,2,4-Trimethylbenzene	46	ug/L	1	SW8260C	11/05/15 17:18	LBR	95-63-6	1
sec-Butylbenzene	52	ug/L	1	SW8260C	11/05/15 17:18	LBR	135-98-8	1
p-Isopropyltoluene	42	ug/L	5	SW8260C	11/05/15 17:18	LBR	99-87-6	1
1,3-Dichlorobenzene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	541-73-1	1
1,4-Dichlorobenzene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	106-46-7	1
1,2-Dichlorobenzene	48	ug/L	1	SW8260C	11/05/15 17:18	LBR	95-50-1	1
1,2,3-Trimethylbenzene	52	ug/L	1	SW8260C	11/05/15 17:18	LBR	526-73-8	1
n-Butylbenzene	51	ug/L	1	SW8260C	11/05/15 17:18	LBR	104-51-8	1
Hexachloroethane	46	ug/L	5	SW8260C	11/05/15 17:18	LBR	67-72-1	1
1,2-Dibromo-3-chloropropane	54	ug/L	5	SW8260C	11/05/15 17:18	LBR	96-12-8	1
1,2,4-Trichlorobenzene	50	ug/L	5	SW8260C	11/05/15 17:18	LBR	120-82-1	1
1,2,3-Trichlorobenzene	50	ug/L	5	SW8260C	11/05/15 17:18	LBR	87-61-6	1
Naphthalene	52	ug/L	5	SW8260C	11/05/15 17:18	LBR	91-20-3	1
2-Methylnaphthalene	58	ug/L	5	SW8260C	11/05/15 17:18	LBR	91-57-6	1

1-Sample spiked at 0.050 mg/l

Analytical Laboratory Report

Lab Sample ID: S69219.17
Sample Tag: Field Blank-1
Collected Date/Time: 10/29/2015 14:30
Matrix: Quality Control
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	11/06/15 12:19	CCM	7440-38-2	
Barium	Not detected	mg/L	0.005	E200.8	11/06/15 12:19	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:19	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:19	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 12:19	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 19:50	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 19:50	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 19:50	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 19:50	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 19:50	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 19:50	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 19:50	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-27-4	

Lab Sample ID: S69219.17 (continued)
Sample Tag: Field Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 19:50	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 19:50	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 19:50	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.18
Sample Tag: Equipment Blank-1
Collected Date/Time: 10/29/2015 15:00
Matrix: Quality Control
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	11/06/15 12:22	CCM	7440-38-2	
Barium	Not detected	mg/L	0.005	E200.8	11/06/15 12:22	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:22	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:22	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 12:22	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 20:12	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 20:12	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 20:12	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 20:12	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 20:12	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 20:12	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 20:12	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-27-4	

Lab Sample ID: S69219.18 (continued)
Sample Tag: Equipment Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 20:12	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:12	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:12	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.19
Sample Tag: OBG-OS-MW1
Collected Date/Time: 10/30/2015 09:30
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.032	mg/L	0.002	E200.8	11/06/15 12:25	CCM	7440-38-2	
Barium	0.887	mg/L	0.005	E200.8	11/06/15 12:25	CCM	7440-39-3	
Lead	Not detected	mg/L	0.003	E200.8	11/06/15 12:25	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:25	CCM	7782-49-2	
Zinc	Not detected	mg/L	0.005	E200.8	11/06/15 12:25	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 01:42	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 01:42	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 01:42	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 01:42	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 01:42	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 01:42	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 01:42	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-27-4	

Lab Sample ID: S69219.19 (continued)
Sample Tag: OBG-OS-MW1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 01:42	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 01:42	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 01:42	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.20
Sample Tag: OBG-OS-MW2
Collected Date/Time: 10/30/2015 10:10
Matrix: Groundwater
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.1	IR
3	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	11/06/15 09:00	CCM		
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Metals								
Arsenic	0.057	mg/L	0.002	E200.8	11/06/15 12:34	CCM	7440-38-2	
Barium	0.290	mg/L	0.005	E200.8	11/06/15 12:34	CCM	7440-39-3	
Lead	0.008	mg/L	0.003	E200.8	11/06/15 12:34	CCM	7439-92-1	
Selenium	Not detected	mg/L	0.005	E200.8	11/06/15 12:34	CCM	7782-49-2	
Zinc	0.011	mg/L	0.005	E200.8	11/06/15 12:34	CCM	7440-66-6	
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/06/15 02:04	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/06/15 02:04	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/06/15 02:04	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/06/15 02:04	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/06/15 02:04	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/06/15 02:04	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/06/15 02:04	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-27-4	

Lab Sample ID: S69219.20 (continued)
Sample Tag: OBG-OS-MW2

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromomethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/06/15 02:04	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/06/15 02:04	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/06/15 02:04	LBR	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S69219.21
Sample Tag: Trip Blank-1
Collected Date/Time: 10/30/2015 00:01
Matrix: Quality Control
COC Reference: 92758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
pH check for VOCs	<2	STD Units		N/A	11/06/15 11:34	ADB		
Organics - Volatiles								
Volatile Organics - DEQ List								
Diethyl ether	Not detected	ug/L	10	SW8260C	11/05/15 20:34	LBR	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	11/05/15 20:34	LBR	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	11/05/15 20:34	LBR	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	11/05/15 20:34	LBR	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	11/05/15 20:34	LBR	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	11/05/15 20:34	LBR	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	11/05/15 20:34	LBR	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	106-93-4	

Lab Sample ID: S69219.21 (continued)
Sample Tag: Trip Blank-1

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Chlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	11/05/15 20:34	LBR		
o-Xylene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	11/05/15 20:34	LBR	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	11/05/15 20:34	LBR	91-57-6	

Merit Laboratories, Inc.
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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

92759

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Tony Finch
COMPANY: OBG
ADDRESS: 37000 Grand River
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: 248-477-5962 P.O. NO.:
E-MAIL ADDRESS: Anthony.Finch@OBG.com QUOTE NO.:

INVOICE TO

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

PROJECT NO./NAME: RACER Site #1291 - Burton Parcel
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider X SK

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

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

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

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

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. FOR LAB USE ONLY	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL - As, Ba, Pb, Se, Zn	DISSOLVED - As, Ba, Pb Se, Zn
69219.01	10/28/15	930	OBG-MW1S	GW	4		3	1					X	X	
.02		1045	OBG-MW3S	GW	4		3	1					X	X	
.03		1225	OBG-MW5S	GW	4		3	1					X		X
.04		1415	OBG-OS-MW3	GW	4		3	1					X	X	
.05		1505	OBG-OS-MW4	GW	4		3	1					X	X	
.06		—	DUP-1	GW	4		3	1					X	X	
.07		1605	OBG-OS-MW5	GW	4		3	1					X	X	
.08		1705	OBG-MW7S	GW	4		3	1					X		X
.09	10/29/15	945	OBG-MW7D	GW	4		3	1					X	X	
.10		1055	OBG-MW6S	GW	4		3	1					X	X	
.11		1200	OBG-MW6D	GW	4		3	1					X	X	
.12		1200	OBG-MW6D collocated	GW	4		3	1					X	X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	X Sampler	DATE 10/30/15 TIME 1200
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit		DATE 10/30/15 TIME 1200
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit		DATE 10.30.15 TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 10/30/15 TIME 1335
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

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

Rev. 5.18.12

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
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www.meritlabs.com

C.O.C. PAGE # 2 OF 2

92758

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Tony Finch
COMPANY: OBG
ADDRESS: 37000 Grand River
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: 248-477-5962 P.O. NO.:
E-MAIL ADDRESS: Anthony.Finch@OBG.com QUOTE NO.:

INVOICE TO

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

PROJECT NO./NAME: KACER Site # 1291 - Burton Parcel
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Jason 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: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	TOTAL - As, Ba, Pb, Se	Special Instructions
609219.13	10/29/15	1250	OBG - MW 2S	GW	4		3	1					X	X	
.14		1410	OBG - MW 2D	GW	4		3	1					X	X	
.15/.16		1410	OBG - MW 2D (MS/MSD)	GW	10		8	2					X	X	
.17		1430	Field Blank - 1	QC	4		3	1					X	X	
.18	↓	1500	Equipment Blank - 1	QC	4		3	1					X	X	
.19	10/30/15	930	OBG - OS - MW 1	GW	4		3	1					X	X	
.20		1010	OBG - OS - MW 2	GW	4		3	1					X	X	
.21	↓	—	Trip Blank - 1	QC	2		2						X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler OBG	DATE 10/30/15	TIME 1200
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	DATE 10/30/15	TIME 1200
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	DATE 10.30.15	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 10/30/15	TIME 1335
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

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

Rev. 5.18.12