



October 30, 2017

Mr. David G. Volkert, Hydrogeologist
Wisconsin Department of Natural Resources
Bureau for Remediation & Redevelopment
Waukesha Service Center
141 NW Barstow Street
Waukesha, Wisconsin 53188

**Re: Report of Additional Groundwater Investigations
OHM - Oconomowoc
36929 Plank Road
Oconomowoc, Wisconsin
FID # 268087380; BRRTS # 02-68-551911**

Dear Mr. Volkert:

As consultant to Mr. Charles Cass of OHM Holdings, Inc., EnviroForensics, LLC (EnviroForensics) is providing the following report of additional site investigation activities at the One Hour Martinizing (OHM) facility formerly located at 36929 Plank Road in Oconomowoc, Wisconsin (Site). This report has been prepared to document additional investigations implemented to determine the down-gradient extent of groundwater impacts, and to document the installation of additional groundwater monitoring wells.

Groundwater Sampling From Temporary Wells

During a review of groundwater concentration trends in April, 2017, we noticed that down-gradient wells were exhibiting ever increasing concentrations of chlorinated volatile organic compounds (CVOC's). The increasing trends can be seen in **Table 1** of **Attachment 1**, most notably in down-gradient wells MW-13, MW-14, and MW-16 (refer to **Figure 1** in **Attachment 1** for the locations of these wells). These wells have shown increasing concentrations of tetrachloroethene (PCE) over time and our furthest down-gradient sentinel well, MW-16, now has concentrations of PCE which exceed the groundwater enforcement standard (ES).

To identify the downgradient extent of impacts, EnviroForensics mobilized to the Site during June 22-23, 2017 to perform grab water sampling at the soil boring locations shown on **Figure 1**.

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Eight (8) soil borings (DP-16 through DP-23) were completed using a large direct-push rig. The rig produced a 3-inch outside diameter hole. Continuous soil samples were collected in 5-foot long acetate sleeves to the depth of each boring. The soil samples were collected to determine the depth of the water table at each location. No soil samples were collected for laboratory analysis. The depth of each boring was approximately 30 feet.

The water table ranged from 23 to 28 feet deep. Upon reaching the water table, the boring was advanced five feet deeper and a temporary well was completed at each location. The temporary wells consisted of one-inch diameter polyvinyl chloride (PVC) riser, with 10-feet of screen set to intersect the water table approximately mid-screen. The screen consisted of PVC having factory-cut slots with openings of 0.010 inches. Sand filter pack was placed around the screen and two feet above the screen. The filter pack seal and annular space seal were constructed with 3/8-inch bentonite chips, which were hydrated in place every few feet.

The wells were allowed to recharge overnight, and sampling was performed the following day. The wells were purged of four (4) well volumes using a peristaltic pump and then samples were collected under low-flow conditions. New sample collection tubing was utilized at each temporary well location. The samples were collected in 40-milliliter volatile organic analysis (VOA) vials containing pre-measured hydrochloric acid preservative. The samples were placed in a cooler on ice and sent to Synergy Environmental Lab, Inc. of Appleton, Wisconsin for analysis of total volatile organic compounds (VOC) by Environmental Protection Agency (EPA) Method 8260B.

The temporary wells were immediately abandoned upon sampling. The PVC riser and screen was pulled completely out of the ground at each location and the holes were filled with bentonite chips (refer to Borehole Abandonment Forms in **Attachment 2**).

The grab-groundwater analytical results are summarized and compared to Wisconsin Department of Natural Resources (WDNR) groundwater standards on **Table 2**. The grab-groundwater sample locations are depicted on **Figure 1**, and the Laboratory Results Sheets are included in **Attachment 3**.

Samples collected from the temporary wells set in borings DP-20 and DP-21 contained concentrations of PCE at 1.86 ug/l and 2.44 ug/l, respectively. These concentrations of PCE are above the groundwater preventative action limit (PAL) of 0.5 ug/L, but below the ES. A few fuel-related compounds were detected in the temporary wells at DP-17, DP-18, and DP-23, but the concentrations were all below regulatory standards. No other volatile organic compounds were detected in any of the temporary wells.

Installation of Permanent Groundwater Monitoring Wells

In August of 2017, three (3) new water table observation wells (MW-17, MW-18, and MW-19) were installed at the locations indicated on **Figure 1**, corresponding to the locations of borings DP-16, DP-20, and DP-21, respectively. The wells were screened to intersect the water table.

The monitoring wells were installed to depth using hollow stem auger (HSA) methods (refer to Well Construction Forms in **Attachment 4**). All three (3) wells were constructed of 2-inch ID polyvinyl chloride (PVC) riser and 10 feet of 2-inch ID, 0.010-inch slotted PVC well screen set to intersect the water table from approximately 23 to 33 feet below ground surface. For each new well, sand filter pack materials were placed from the bottom of the screen up to two feet above the well screen and a bentonite seal was placed from two feet above the filter pack to the ground surface seal. The wells were completed at the surface with flush-mount covers set in concrete. Expandable locking caps and locks were used to secure the well caps. The newly installed monitoring wells were developed in accordance with the requirements of WAC Chapter NR 141.

The wells were developed at least 24 hours after installation by surging with a bailer and purging with a submersible pump for a minimum of 30 minutes, followed by removing at least 10 well volumes of water using the submersible pump. Monitoring well development forms are included in **Attachment 4**.

The wells were surveyed to record their elevation and lateral position according to standard surveying methods. The horizontal and vertical grid coordinates of the monitoring wells were recorded to within 0.1 foot and 0.01 foot, respectively. Horizontal locations were referenced to the State Plane Coordinate System.

Sampling of Groundwater Monitoring Wells

Existing groundwater monitoring wells are sampled on a bi-annual basis. The new wells were sampled along with all existing wells in September of 2017. Depth to water in each well was measured using an electronic sounding device and recorded on sampling forms prior to sample collection activities. Purging and sample collection was conducted using standard low-flow methods. Field parameters including pH, specific conductivity and turbidity were measured until stabilization occurred prior to collecting the samples. Two (2) duplicate samples, one (1) field blank sample, and one (1) trip blank sample were analyzed for QA/QC purposes. The groundwater and QA/QC samples were analyzed for VOCs using EPA SW-846 Method 8260.

The groundwater sampling activities are documented on Groundwater Field Sampling Forms included in **Attachment 5**. The groundwater monitoring well analytical results are summarized and compared to WDNR's groundwater standards in **Table 1**. The locations of the monitoring wells are depicted on **Figure 1**. Also shown on **Figure 1** is an iso-concentration line depicting the extent of PCE concentrations exceeding the groundwater ES.



The samples collected from the permanent groundwater monitoring wells contained similar concentrations of PCE that were previously detected in the temporary wells.

The soil and purge water generated by the well installation and development activities were placed in DOT 17H-rated 55 gallon drums for subsequent characterization and management. Samples of the soil cuttings and monitoring well purge water were collected and determined to be non-hazardous. A licensed subcontractor was contracted to properly transport and dispose of this special waste.

If you have any questions or require additional information, please don't hesitate to contact me at 414-982-3988.

Sincerely yours,

A handwritten signature in black ink that reads "Wayne P. Fassbender". The signature is fluid and cursive.

Wayne P. Fassbender, PG, PMP
Senior Project Manager

Attachments:

- Attachment 1: Tables and Site Figure
- Attachment 2: Borehole Abandonment Forms
- Attachment 3: Laboratory Results Sheets
- Attachment 4: Monitoring Well Construction and Development Forms
- Attachment 5: Groundwater Field Sampling Forms

cc: Brian Cass, OHM Holdings
Ted Warpinski, Friebert, Finerty & St. John S.C.
Michael Hieser, Travelers Insurance



ATTACHMENT 1
Tables and Site Figure

TABLE 1
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-1	05/08/09	210	0.66 J	<0.96	<0.96	<0.26	<0.26	<0.20
	08/28/09	357	1.9 J	<4.2	<4.4	<0.90	<0.90	<0.20
	12/03/09	154	<0.96	<0.96	<0.96	<0.26	<0.26	<0.20
	03/10/10	229	1.0 J	<0.96	<0.96	<0.26	<0.26	<0.20
	06/02/10	140	<0.96	<0.96	<0.96	<0.26	<0.26	<0.20
	09/17/10	442	<2.4	<4.2	<4.4	<0.90	<0.90	<0.20
	01/07/11	420	2.4	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	167	0.58 J	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	335	<1.9	<3.3	<3.6	<0.72	<0.72	<5.2
	12/19/11	170	0.78 J	<1.0	<1.0	<0.40	<1.3	<0.40
	02/28/12	120	0.46 J	<0.50	<0.50	<0.20	<0.20	<0.20
	05/24/12	140	0.81	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	120	0.69	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	169	<3.3	<3.8	<3.5	<1.8	<17	<2.8
	1/3/2014	254	<3.3	<3.8	<3.5	<1.8	<17	<2.8
	3/6/2014	267	2.2 J	<1.9	<1.75	<0.9	<8.5	<1.4
	5/29/2014	109	<1.65	<1.9	<1.75	<0.9	<8.5	<1.4
	10/9/2014	280	2.63	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	78	<2.35	<2.25	<2.7	<0.85	NA	NA
	11/5/2015	82	0.53 J	<0.45	<0.54	<0.17	NA	NA
10/13/2016	237	1.50	<0.45	<0.54	<0.17	<1.6	<0.43	
4/3/2017	205	<2.25	<2.05	<1.75	<0.95	NA	NA	
9/1/2017	340	1.95	<0.41	<0.35	<0.19	NA	NA	
MW-1D	08/28/09	7.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	12/03/09	14	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	03/10/10	3.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	06/02/10	4.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/17/10	8.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	01/07/11	2.7	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	2.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	3.4	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	2.0	2.0	<0.50	<0.50	<0.20	0.90 J	<0.20
	02/27/12	1.8 J	<0.96	<0.50	<0.50	<0.20	<0.20	<0.20
	05/22/12	2.5	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	4.4	<0.19	8.5	<0.25	<0.10	<0.16	<0.20
	10/2/2013	0.91 J	0.37 J	2.08	<0.35	<0.18	<1.7	<0.28
	1/3/2014	0.42 J	<0.33	3.8	<0.35	<0.18	<1.7	<0.28
	3/6/2014	6.0	1.87	11.3	<0.35	<0.18	<1.7	<0.28
	5/29/2014	1.37	0.46 J	0.66 J	<0.35	<0.18	<1.7	<0.28
	10/9/2014	0.77 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	2.33 J	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	2.08	0.53 J	1.01 J	<0.54	<0.17	NA	NA
	10/11/2016	0.57 J	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
3/31/2017	<0.48	<0.45	0.85 J	<0.35	<0.19	NA	NA	
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-2	08/28/09	14.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	12/03/09	31.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	03/10/10	36.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	06/02/10	24.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/17/10	47.8	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	01/07/11	41	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	44.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	41.7	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	51	<0.20	<0.20	<0.20	<0.20	<0.25	<0.20
	02/27/12	45	<0.20	<0.20	<0.20	<0.20	<0.25	<0.20
	05/23/12	37	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	29.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	37.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	27.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	18.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	16.9	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	23	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	1.25 J	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
3/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
9/1/2017	1.82	<0.45	<0.41	<0.35	<0.19	NA	NA	

TABLE 1
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Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-3	08/28/09	49.5	0.68 J	<0.83	<0.89	<0.18	<0.18	<0.18
	12/03/09	63.3	1.0	<0.83	<0.89	<0.18	<0.18	<0.18
	03/10/10	51.6	0.93 J	<0.83	<0.89	<0.18	<0.18	<0.18
	06/02/10	34.2	0.64 J	<0.83	<0.89	<0.18	<0.18	<0.18
	09/17/10	96.3	3.6	<0.83	<0.89	<0.18	<0.18	<0.18
	01/07/11	83	3.3	<0.64	<0.50	<0.20	<0.20	<0.20
	04/27/11	72.9	2.7	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	74.4	2.7	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	66	1.2 J	<0.50	<0.50	<0.20	<0.25	<0.20
	02/28/12	70	1.2 J	<0.20	<0.20	<0.20	<0.25	<0.20
	05/23/12	57	1.3	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	52	2.2	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	65	3.5	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	55	1.88	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	68	2.07	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	56	2.22	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	58	1.78	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	64	1.55	<0.45	<0.54	<0.17	NA	NA
11/4/2015	54	2.06	<0.45	<0.54	<0.17	NA	NA	
10/13/2016	63	1.91	<0.45	<0.54	<0.17	<1.6	<0.43	
3/30/2017	62	1.38 J	<0.41	<0.35	<0.19	NA	NA	
9/1/2017	51	1.28 J	<0.41	<0.35	<0.19	NA	NA	
MW-4	01/07/11	46	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	69	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	29	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	23	<0.20	<0.50	<0.50	<0.20	<0.25	<0.20
	02/27/12	19	<0.20	<0.50	<0.50	<0.20	<0.25	<0.20
	05/23/12	35	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	30	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	53	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	19.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	32.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	13.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	12.7	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	14.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	11.8	<0.47	<0.54	<0.45	<0.54	NA	NA
	10/13/2016	17.2	<0.47	<0.54	<0.45	<0.54	<1.6	<0.43
4/3/2017	27.1	<0.45	<0.41	<0.35	<0.19	NA	NA	
9/1/2017	31.4	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-5	01/07/11	140	0.86	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	133	0.77 J	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	121	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	110	0.41 J	<0.50	<0.50	<0.20	<0.50	<0.20
	02/28/12	140	0.62 J	<0.50	<0.50	<0.20	<0.50	<0.20
	05/23/12	89	0.49 J	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	98	0.58	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	105	0.75 J	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	160	1.34	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	180	1.93	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	162	0.96 J	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	116	1.23	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	152	0.89 J	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	158	<4.7	<4.5	<5.4	<1.7	NA	NA
	10/13/2016	132	0.68	<0.45	<0.54	<0.17	<1.6	<0.43
4/3/2017	67	<0.45	<0.41	<0.35	<0.19	NA	NA	
8/31/2017	68	<0.45	0.43 J	<0.35	<0.19	NA	NA	
MW-6	01/07/11	41	0.38	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	47.3	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	39.2	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	43	0.27 J	<0.50	<0.50	<0.20	<0.25	<0.20
	02/28/12	36	0.21 J	<0.50	<0.50	<0.20	<0.25	<0.20
	05/23/12	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/11/2013	19	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	28.8	0.34 J	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	36	0.71 J	<0.38	<0.35	0.21 J	<1.7	<0.28
	3/6/2014	33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	40	0.51 J	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	34	0.37 J	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	45	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	36	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	26.3	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
4/3/2017	29.8	<0.45	<0.41	<0.35	<0.19	NA	NA	
9/1/2017	22.2	<0.45	<0.41	<0.35	<0.19	NA	NA	

TABLE 1
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Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-7	01/07/11	<0.50	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	0.47 J
	02/27/12	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	0.49 J
	05/22/12	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43	
3/30/2017	0.55 J	<0.45	<0.41	<0.35	<0.19	NA	NA	
8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-8	6/11/2013	1.3	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	1.52	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	1.11	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	1.67	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	0.33 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	1.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	2.12 J	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	2.5	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	3.01	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	2.02	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	3.0	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-9	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-10	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-11	6/11/2013	12	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	30.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	38	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	25	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/22/2015	24	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	23.5	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	23.8	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	14.5	0.48 J	<0.41	<0.35	<0.19	NA	NA	
MW-12	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	

TABLE 1
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-13	1/3/2014	1.15	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	1.27	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	1.73	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	1.20	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	4/15/2015	2.57	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	3.90	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	2.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	3.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	5.2	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
3/31/2017	9.6	<0.45	<0.41	<0.35	<0.19	NA	NA	
8/31/2017	2.3	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-14	4/15/2015	10.50	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	6.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	12.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	29.9	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	45	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	26.6	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-15	4/15/2015	2.97	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	10.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	3.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	8.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	9.2	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	6.1	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-16	8/3/2015	2.99	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	4.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	11.1	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	28.1	<0.45	<0.41	<0.35	<0.19	NA	NA
	8/31/2017	5.8	<0.45	<0.41	<0.35	<0.19	NA	NA
MW-17	8/3/2015	8.4	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	11.1	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	13.1	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	1.57	<0.45	<0.41	<0.35	<0.19	NA	NA
MW-18	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
MW-19	8/31/2017	2.44	<0.45	<0.41	<0.35	<0.19	NA	NA
MW-20	8/31/2017	2.32	<0.45	<0.41	<0.35	<0.19	NA	NA
PZ-1	1/3/2014	8.9	<0.33	<0.38	<0.35	0.26 J	<1.7	<0.28
	3/6/2014	8.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	6.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	7.1	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	4/15/2015	<0.74	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	10.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	9.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	11.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	17.8	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	10.8	<0.45	<0.41	<0.35	<0.19	NA	NA	
PZ-2	4/15/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	

Notes:

Samples analyzed using EPA SW-846 Method 8260
All concentrations reported in µg/L

Bolded and orange shaded values are above Public Health Enforcement Standards

Bolded and blue shaded values are above Public Health Preventive Action Limits

J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NA = Not Analyzed

TABLE 2
GRAB GROUNDWATER ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Benzene	Chloromethane	Ethylbenzene	Toluene
Preventive Action Limit		0.5	0.5	7	20	0.02	0.5	3	70	80
Enforcement Standard		5	5	70	100	0.2	5	30	700	800
B-16	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<1.3	<0.2	<0.67
B-17	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	0.38 J	<1.3	0.22 J	0.69 J
B-18	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	0.22 J	<1.3	<0.2	<0.67
B-19	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<1.3	<0.2	<0.67
B-20	06/23/17	1.86	<0.45	<0.41	<0.35	<0.19	<0.17	<1.3	<0.2	<0.67
B-21	06/23/17	2.44	<0.45	<0.41	<0.35	<0.19	<0.17	<1.3	<0.2	<0.67
B-22	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<1.3	<0.2	<0.67
B-23	06/23/17	<0.48	<0.45	<0.41	<0.35	<0.19	0.25 J	1.77 J	<0.2	<0.67

Notes:

Samples analyzed using EPA SW-846 Method 8260

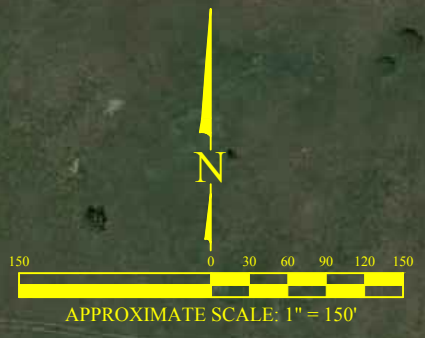
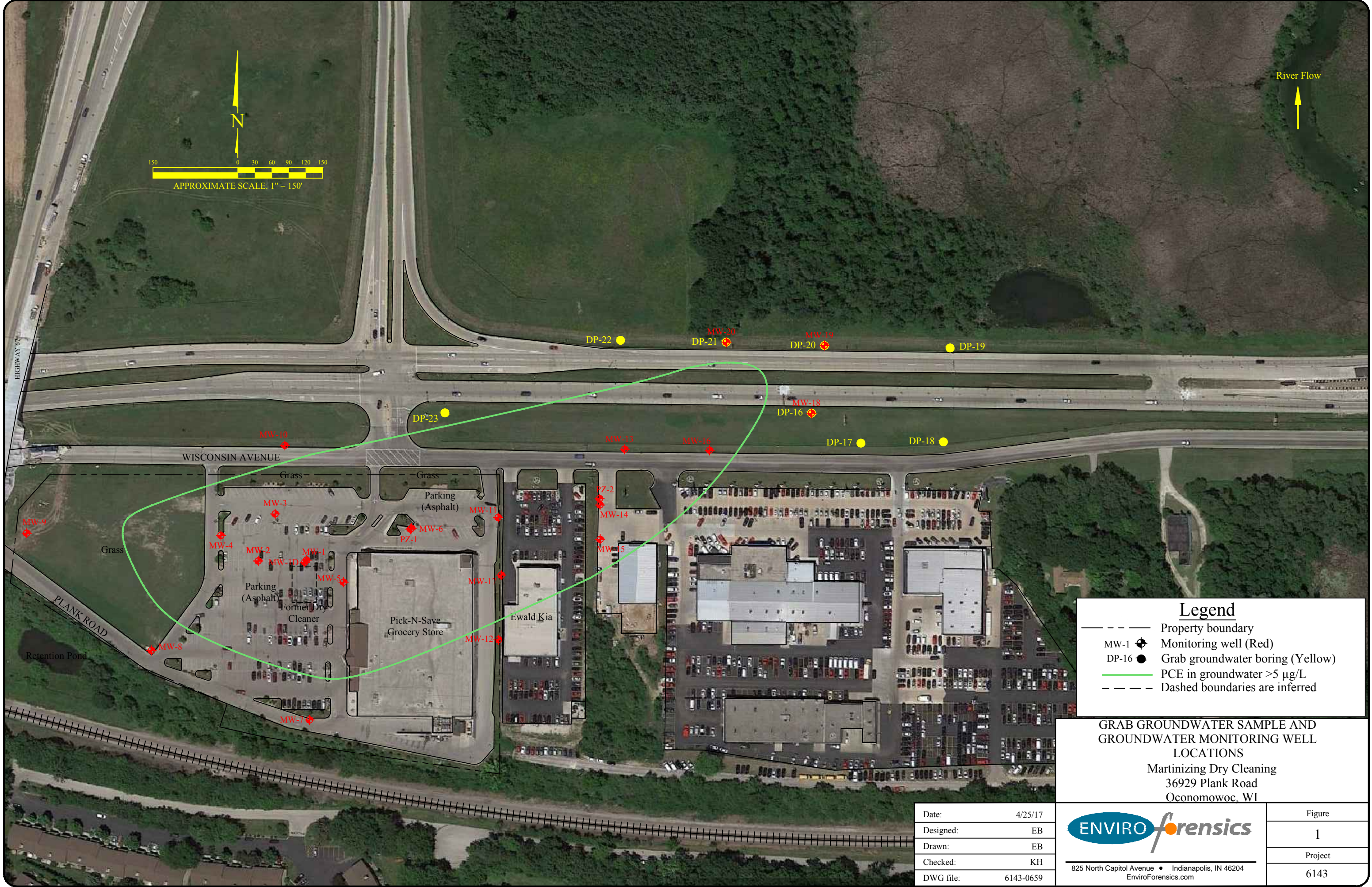
All concentrations reported in µg/L

Bolded and blue shaded values are above Public Health Preventive Action Limits

Bolded values are above detection limits

J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NA = Not Analyzed



River Flow
↑

Legend

- Property boundary
- MW-1 ● Monitoring well (Red)
- DP-16 ● Grab groundwater boring (Yellow)
- PCE in groundwater >5 µg/L
- - - Dashed boundaries are inferred

GRAB GROUNDWATER SAMPLE AND
GROUNDWATER MONITORING WELL
LOCATIONS
Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date:	4/25/17
Designed:	EB
Drawn:	EB
Checked:	KH
DWG file:	6143-0659

825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	1
Project	6143



ATTACHMENT 2

Borehole Abandonment Forms

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <i>Waukesha</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>Former One Hour Martinizing</i>					
Latitude / Longitude (see instructions) <i>43° 6.415'</i> N		Format Code <input type="checkbox"/> DD		Method Code <input type="checkbox"/> GPS008		Facility ID (FID or PWS) <i>268087380</i>					
<i>88° 28.489'</i> W		<input checked="" type="checkbox"/> DDM		<input type="checkbox"/> OTH001		License/Permit/Monitoring #					
1/4 1/4 <i>NW</i> 1/4 <i>NW</i>		Section <i>03</i>		Township <i>07 N</i>		Range <i>17</i>		<input checked="" type="checkbox"/> E		Original Well Owner	
or Gov't Lot #										Present Well Owner	
										Mailing Address of Present Owner	
Well Street Address <i>36929 Plank Rd</i>						City of Present Owner					
Well City, Village or Town <i>Oconomowoc</i>						State					
Subdivision Name						ZIP Code					
Well ZIP Code <i>53060</i>						Lot #					

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason for Removal from Service <i>Temporary Well</i>		WI Unique Well # of Replacement Well		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Pump and piping removed?							
<input checked="" type="checkbox"/> Monitoring Well		<i>06/22/2017</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed?							
<input type="checkbox"/> Water Well		Original Construction Date (mm/dd/yyyy)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated?							
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Screen removed?							
Construction Type:				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place?							
<input type="checkbox"/> Drilled				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface?							
<input checked="" type="checkbox"/> Driven (Sandpoint)				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface?							
<input type="checkbox"/> Dug				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours?							
<input type="checkbox"/> Other (specify): _____				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped?							
Formation Type:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source?							
<input checked="" type="checkbox"/> Unconsolidated Formation				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Required Method of Placing Sealing Material							
<input type="checkbox"/> Bedrock				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped							
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____							
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		Sealing Materials							
<i>3.75</i>				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete							
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips							
If yes, to what depth (feet)?				For Monitoring Wells and Monitoring Well Boreholes Only:							
Depth to Water (feet)				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout							
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry							

5. Material Used to Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>				<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>				<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments
Temporary 1" monitoring well @ B-16

7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>		License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>		Date Received	
Street or Route <i>N16 W23390 Stone Ridge Dr. Ste G</i>		Telephone Number <i>(317) 972-7870</i>		Comments		Noted By	
City <i>Waukesha</i>		State <i>WI</i>		ZIP Code <i>53188</i>		Signature of Person Doing Work <i>[Signature]</i>	
						Date Signed <i>06/30/2017</i>	

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Waukesha</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>Farmer One Hour Martinizing</i>	
Latitude / Longitude (see instructions) <i>43° 6.407'</i> N <i>88° 28.463'</i> W		Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <i>268087380</i>	
1/4 1/4 NW 1/4 NW or Gov't Lot #		Section <i>03</i>		Township <i>07 N</i>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <i>36929 Plank Rd</i>				Original Well Owner			
Well City, Village or Town <i>Oconomowoc</i>				Present Well Owner			
Subdivision Name				Well ZIP Code <i>53066</i>		Mailing Address of Present Owner	
Reason for Removal from Service <i>Temporary Well</i>				Lot #		City of Present Owner	
WI Unique Well # of Replacement Well				State		ZIP Code	

3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <i>06/22/2017</i>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type:		Liner(s) perforated?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
		<input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Screen removed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
		<input type="checkbox"/> Other (specify): _____		Casing left in place?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		Was casing cut off below surface?		Did sealing material rise to surface?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.)		Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Diameter (in.)		Lower Drillhole Diameter (in.) <i>3.75</i>		If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Casing Depth (ft.)		Was well annular space grouted?		If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Depth to Water (feet)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Required Method of Placing Sealing Material		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		If yes, to what depth (feet)?		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____		Sealing Materials	
		Depth to Water (feet)		Neat Cement Grout <input type="checkbox"/> Concrete		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used to Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>	<i>Surface</i>	<i>0.5</i>	<i>0.5</i>
<i>Bentonite</i>	<i>0.5</i>	<i>30</i>	<i>27</i>

6. Comments
Temporary 1" monitoring well @ B-17

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By
Street or Route <i>N16 W23890 Stone Ridge Dr. Ste G</i>		Telephone Number <i>(317) 972-7870</i>		Comments	
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>	

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <i>Waukesha</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Farmer One Hour Martinizing</i>
Latitude / Longitude (see instructions) <i>43° 6.4169' N</i> <i>88° 28.423' W</i>	Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <i>268087380</i>
1/4 1/4 NW 1/4 NW or Gov't Lot #	Section <i>03</i>	Township <i>07 N</i>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address <i>36929 Plank Rd</i>			Original Well Owner
Well City, Village or Town <i>Oconomowoc</i>			Present Well Owner
Well ZIP Code <i>53066</i>			Mailing Address of Present Owner
Subdivision Name			City of Present Owner
			State
			ZIP Code

Reason for Removal from Service: *Temporary Well*

WI Unique Well # of Replacement Well: _____

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy): *06/22/2017*

Water Well

Borehole / Drillhole If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): _____ Casing Diameter (in.): _____

Lower Drillhole Diameter (in.): *3.75* Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet): _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Liner(s) perforated? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete

Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>	<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>	<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments

Temporary 1" monitoring well @ B-18

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By
Street or Route <i>N16 W23890 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments		
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <i>Waukesha</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Former One Hour Martinizing</i>
Latitude / Longitude (see instructions) <i>43° 6.435'</i> N <i>88° 28.419'</i> W	Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <i>268087380</i>
1/4 1/4 <i>NE</i> 1/4 <i>NW</i> or Gov't Lot #	Section <i>03</i>	Township <i>07 N</i>	Range <i>17</i>
			<input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address <i>36929 Plank Rd</i>	Original Well Owner		
Well City, Village or Town <i>Oconomowoc</i>	Present Well Owner		
Well ZIP Code <i>53066</i>	Mailing Address of Present Owner		
Subdivision Name	Lot #	City of Present Owner	State ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason for Removal from Service <i>Temporary Well</i>	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>06/22/2017</i>	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>3.75</i>		Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet)	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
If yes, to what depth (feet)?		Sealing Materials	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:	<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
			<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>	<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>	<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments

Temporary 1" monitoring well @ B-19

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By
Street or Route <i>N16 W23390 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments		
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <i>Waukesha</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>Former One Hour Martinizing</i>			
Latitude / Longitude (see instructions) <i>43° 6.436'</i> N		Format Code <input type="checkbox"/> DD		Method Code <input type="checkbox"/> GPS008		Facility ID (FID or PWS) <i>268087380</i>			
<i>88° 28.477'</i> W		<input checked="" type="checkbox"/> DDM		<input checked="" type="checkbox"/> SCR002		License/Permit/Monitoring #			
<i>1/4 NW</i> or Gov't Lot #		Section <i>03</i>		Township <i>07 N</i>		Range <i>17</i>		<input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <i>36929 Plank Rd</i>						Original Well Owner			
Well City, Village or Town <i>Oconomowoc</i>						Present Well Owner			
Well ZIP Code <i>53066</i>						Mailing Address of Present Owner			
Subdivision Name						City of Present Owner		State	ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information

Reason for Removal from Service: *Temporary Well*

WI Unique Well # of Replacement Well: _____

Monitoring Well Original Construction Date (mm/dd/yyyy): *06/22/2017*

Water Well

Borehole / Drillhole If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): _____ Casing Diameter (in.): _____

Lower Drillhole Diameter (in.): *3.75* Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet): _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Liner(s) perforated? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete

Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>		<i>Surface</i>	<i>0.5</i>	<i>6.5</i>	
<i>Bentonite</i>		<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments

Temporary 1" monitoring well @ B-20

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By	
Street or Route <i>N16 W23890 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments		Date Signed <i>06/30/2017</i>	
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>		

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <i>Waukesha</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Former One Hour Martinizing</i>
Latitude / Longitude (see instructions) <i>43° 6.436</i> N <i>88° 28.522</i> W	Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <i>268087380</i>
1/4 1/4 NW 1/4 NW or Gov't Lot #	Section <i>03</i>	Township <i>07 N</i>	Range <i>17</i> <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address <i>36929 Plank Rd</i>	Well City, Village or Town <i>Oconomowoc</i>	Well ZIP Code <i>53066</i>	Original Well Owner
Subdivision Name	Lot #	City of Present Owner	State ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason for Removal from Service <i>Temporary Well</i>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>06/22/2017</i>	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <i>3.75</i>	Casing Depth (ft.)	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet)	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>	<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>	<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments
Temporary 1" monitoring well @ B-21

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By
Street or Route <i>N16 W23890 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments		
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>

Well / Drillhole / Borehole Filling & Sealing Report

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Waukesha</i>	WI Unique Well # of Removed Well	Hicap #		Facility Name <i>Former One Hour Martinizing</i>			
Latitude / Longitude (see instructions) <i>43° 6.436'</i> N <i>88° 28.550'</i> W		Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <i>268087380</i>	License/Permit/Monitoring #		
1/4 1/4 NW or Gov't Lot #	Section <i>03</i>	Township <i>07 N</i>	Range <i>17</i> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner			
Well Street Address <i>36929 Plank Rd</i>				Present Well Owner			
Well City, Village or Town <i>Oconomowoc</i>		Well ZIP Code <i>53066</i>		Mailing Address of Present Owner			
Subdivision Name		Lot #		City of Present Owner	State	ZIP Code	

Reason for Removal from Service		WI Unique Well # of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material			
<i>Temporary Well</i>			Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
3. Filled & Sealed Well / Drillhole / Borehole Information			Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>06/22/2017</i>		Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.		Screen removed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole			Casing left in place?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Construction Type:			Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input checked="" type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Formation Type:			Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock		If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)		If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <i>3.75</i>	Casing Depth (ft.)		Required Method of Placing Sealing Material			
Was well annular space grouted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped		
If yes, to what depth (feet)?	Depth to Water (feet)		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain):		
			Sealing Materials			
			<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete		
			<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite Chips		
			For Monitoring Wells and Monitoring Well Boreholes Only:			
			<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout		
			<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry		

5. Material Used to Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>				<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>				<i>0.5</i>	<i>30</i>	<i>27</i>	

6. Comments
Temporary 1" monitoring well @ B-22

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By	
Street or Route <i>N16 W23390 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments			
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>	

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Waukesha</i>	WI Unique Well # of Removed Well	Hicap #		Facility Name <i>Farmer One Hour Martinizing</i>			
Latitude / Longitude (see instructions) <i>43° 6.415'</i> N <i>88° 28.635'</i> W	Format Code <input type="checkbox"/> DD <input checked="" type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OT001		Facility ID (FID or PWS) <i>268087380</i>			
1/4 1/4 NW or Gov't Lot #	Section <i>03</i>	Township <i>07 N</i>	Range <i>17</i>	License/Permit/Monitoring #			
			<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner			
Well Street Address <i>36929 Piank Rd</i>				Present Well Owner			
Well City, Village or Town <i>Oconomowoc</i>	Well ZIP Code <i>53066</i>			Mailing Address of Present Owner			
Subdivision Name	Lot #			City of Present Owner	State	ZIP Code	

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	Original Construction Date (mm/dd/yyyy) <i>06/22/2017</i>	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.	Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type:		Screen removed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input checked="" type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Casing left in place?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> Other (specify): _____			Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Formation Type:			Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock		Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)		If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Lower Drillhole Diameter (in.)	Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>3.75</i>			Required Method of Placing Sealing Material		
Was well annular space grouted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)?	Depth to Water (feet)		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____	
			Sealing Materials		
			<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete	
			<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite Chips	
			For Monitoring Wells and Monitoring Well Boreholes Only:		
			<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout	
			<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or volume (circle one)	Mix Ratio or Mud Weight
<i>Native Soil</i>		<i>Surface</i>	<i>0.5</i>	<i>0.5</i>	
<i>Bentonite</i>		<i>0.5</i>		<i>27.6</i>	

6. Comments
Temporary 1" monitoring well @ B-23

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Enviro Forensics</i>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>06/23/2017</i>	Date Received	Noted By	
Street or Route <i>N16 W23890 Stone Ridge Dr. Ste G</i>	Telephone Number <i>(317) 972-7870</i>	Comments			
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53188</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>06/30/2017</i>	



ATTACHMENT 3

Laboratory Results Sheets

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WAYNE FASSBENDER
ENVIROFORENSICS
602 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date 06-Jul-17

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171A
Sample ID 6143-B-16
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B	7/1/2017	7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B	7/1/2017	7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B	7/1/2017	7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B	7/1/2017	7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B	7/1/2017	7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B	7/1/2017	7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B	7/1/2017	7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B	7/1/2017	7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B	7/1/2017	7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/1/2017	7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B	7/1/2017	7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B	7/1/2017	7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B	7/1/2017	7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B	7/1/2017	7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B	7/1/2017	7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B	7/1/2017	7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B	7/1/2017	7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B	7/1/2017	7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B	7/1/2017	7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B	7/1/2017	7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B	7/1/2017	7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B	7/1/2017	7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B	7/1/2017	7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171A
Sample ID 6143-B-16
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B	7/1/2017	7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B	7/1/2017	7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B	7/1/2017	7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B	7/1/2017	7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B	7/1/2017	7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B	7/1/2017	7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B	7/1/2017	7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B	7/1/2017	7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B	7/1/2017	7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B	7/1/2017	7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B	7/1/2017	7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B	7/1/2017	7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B	7/1/2017	7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B	7/1/2017	7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B	7/1/2017	7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B	7/1/2017	7/1/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B	7/1/2017	7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B	7/1/2017	7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B	7/1/2017	7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B	7/1/2017	7/1/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B	7/1/2017	7/1/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B	7/1/2017	7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B	7/1/2017	7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	109	REC %			1	8260B	7/1/2017	7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171B
 Sample ID 6143-B-17
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.38 "J"	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	0.22 "J"	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	0.69 "J"	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171B
Sample ID 6143-B-17
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171C
Sample ID 6143-B-18
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.22 "J"	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171C
Sample ID 6143-B-18
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171D
 Sample ID 6143-B-19
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171D
Sample ID 6143-B-19
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171E
 Sample ID 6143-B-20
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	1.86	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171E
Sample ID 6143-B-20
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171F
 Sample ID 6143-B-21
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	2.44	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171F
Sample ID 6143-B-21
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171G
 Sample ID 6143-B-22
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171G
Sample ID 6143-B-22
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171H
 Sample ID 6143-B-23
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.25 "J"	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	1.77 "J"	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171H
Sample ID 6143-B-23
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 503317II
Sample ID 6143-DUP-1
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 503317II
Sample ID 6143-DUP-1
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
 Project # 6143

Invoice # E33171

Lab Code 5033171J
 Sample ID TRIP BLANK
 Sample Matrix Water
 Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/1/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/1/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/1/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/1/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/1/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/1/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/1/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/1/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/1/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/1/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/1/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/1/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/1/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/1/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/1/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/1/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/1/2017	CJR	1
cis-1,2-Dichloroethene	0.54 "J"	ug/l	0.41	1.29	1	8260B		7/1/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/1/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/1/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/1/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/1/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/1/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/1/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/1/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/1/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/1/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/1/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/1/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/1/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/1/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/1/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/1/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/1/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/1/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/1/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/1/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/1/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/1/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/1/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/1/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/1/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143

Invoice # E33171

Lab Code 5033171J
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 6/23/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/1/2017	CJR	1
Vinyl Chloride	0.67	ug/l	0.19	0.62	1	8260B		7/1/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/1/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/1/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		7/1/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		7/1/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		7/1/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		7/1/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Michael J. Steel

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No. : _____
Project #: **6143**
Sampler: (signature) *[Signature]*

Project (Name / Location): **OHM Occenonowoc / Occenonowoc, WI**
Reports To: **W. Fassbender / K. Heinstead** Invoice To: _____
Company: **Enviro Forensics** Company: _____
Address: **N16 W23390 Stone Ridge Dr. Suite G** Address: _____
City State Zip: **Waukesha WI 53188** City State Zip: _____
Phone: **317-972-7870** Phone: _____
FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
503317A	6143-B-16	6/23/17	705		X	N	3	GW	HCL																
B	6143-B-17		725		X	N	3	GW	HCL																
C	6143-B-18		745		X	N	3	GW	HCL																
D	6143-B-19		810		X	N	3	GW	HCL																
E	6143-B-20		825		X	N	3	GW	HCL																
F	6143-B-21		840		X	N	3	GW	HCL																
G	6143-B-22		900		X	N	3	GW	HCL																
H	6143-B-23		640		X	N	3	GW	HCL																
I	6143-Dup-1	6/23/17			X	N	3	GW	HCL																
J	TRIP BLANK				X	N	1	GW	HCL																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *[Signature]* Time **1:33** Date **6/24/17**
Received By: (sign) *[Signature]* Time **1:33** Date **6/24/17**

Received in Laboratory By: *[Signature]* Time: **8:00** Date: **6/27/17**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KYLE VANDERHEIDEN
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date 13-Sep-17

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2017-1251

Invoice # E33551

Lab Code 5033551A
Sample ID 6143-MW-1
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B	9/6/2017	9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B	9/6/2017	9/6/2017	CJR	1
Tetrachloroethene	340	ug/l	4.8	15.2	10	8260B	9/8/2017	9/8/2017	CJR	1
Trichloroethene (TCE)	1.95	ug/l	0.45	1.43	1	8260B	9/6/2017	9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1

Lab Code 5033551B
Sample ID 6143-MW-1D
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B	9/6/2017	9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B	9/6/2017	9/6/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B	9/6/2017	9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B	9/6/2017	9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B	9/6/2017	9/6/2017	CJR	1

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Lab Code 5033551C
Sample ID 6143-MW-2
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	1.82	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551D
Sample ID 6143-MW-3
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	51	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	1.28 "J"	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551E
Sample ID 6143-MW-4
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	31.4	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		9/6/2017	CJR	1

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Lab Code 5033551F
Sample ID 6143-MW-5
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	0.43 "J"	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	68	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551G
Sample ID 6143-MW-6
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	22.2	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551H
Sample ID 6143-MW-7
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		9/6/2017	CJR	1

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Lab Code 5033551I
Sample ID 6143-MW-8
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	3.0	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551J
Sample ID 6143-MW-9
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/6/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/6/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/6/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/6/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/6/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/6/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/6/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		9/6/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/6/2017	CJR	1

Lab Code 5033551K
Sample ID 6143-MW-10
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

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Lab Code 5033551L
Sample ID 6143-MW-11
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	14.5	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	0.48 "J"	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551M
Sample ID 6143-MW-12
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551N
Sample ID 6143-MW-13
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	2.3	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1

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Lab Code 5033551O
Sample ID 6143-MW-14
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	26.6	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551P
Sample ID 6143-MW-15
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	6.1	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551Q
Sample ID 6143-MW-16
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	5.8	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/7/2017	CJR	1

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Lab Code 5033551R
Sample ID 6143-MW-17
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	1.57	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551S
Sample ID 6143-MW-18
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551T
Sample ID 6143-MW-19
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	2.44	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		9/7/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2017-1251

Invoice # E33551

Lab Code 5033551U
Sample ID 6143-MW-20
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	2.32	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551V
Sample ID 6143-PZ-1
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	10.8	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551W
Sample ID 6143-PZ-2
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		9/7/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2017-1251

Invoice # E33551

Lab Code 5033551X
Sample ID 6143-DUP-1
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/7/2017	CJR	1
Tetrachloroethene	340	ug/l	4.8	15.2	10	8260B		9/13/2017	CJR	1
Trichloroethene (TCE)	1.6	ug/l	0.45	1.43	1	8260B		9/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/7/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/7/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/7/2017	CJR	1

Lab Code 5033551Y
Sample ID 6143-DUP-2
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	21	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/11/2017	CJR	1

Lab Code 5033551Z
Sample ID 6143-DUP-3
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	6.3	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/11/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2017-1251

Invoice # E33551

Lab Code 533551AA
Sample ID 6143-EB-1
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		9/11/2017	CJR	1

Lab Code 533551BB
Sample ID 6143-EB-2
Sample Matrix Water
Sample Date 9/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		9/11/2017	CJR	1

Lab Code 533551CC
Sample ID 6143-EB-3
Sample Matrix Water
Sample Date 8/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/11/2017	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2017-1251

Invoice # E33551

Lab Code 533551DD
Sample ID 6143-TRIP BLANK
Sample Matrix Water
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		9/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		9/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		9/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		9/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		9/11/2017	CJR	1
SUR - Toluene-d8	96	REC %				1 8260B		9/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %				1 8260B		9/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %				1 8260B		9/11/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %				1 8260B		9/11/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **6143**
Sampler: (signature) *[Signature]*

Project (Name / Location): **OHM - Oconomowoc**
Reports To: **K. Vander Heiden** Invoice To: **W. Fassbender**
Company: **EnvioForensics, LLC** Company: _____
Address: **116 W2350 Stone Ridge Dr, Suite 6** Address: _____
City State Zip: **Waukesha, WI 53188** City State Zip: _____
Phone: **262-290-4001** Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID						

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5033551									
A	6143-MW-1	9/1	1025		X	N	3	GW	HCL
B	6143-MW-1D	9/1	0945		<	N	3	GW	HCL
C	6143-MW-2	9/1	1125		<	N	3	GW	HCL
D	6143-MW-3	9/1	1205		<	N	3	GW	HCL
E	6143-MW-4	9/1	1250		<	N	3	GW	HCL
F	6143-MW-5	8/31	1340		<	N	3	GW	HCL
G	6143-MW-6	9/1	1510		<	N	3	GW	HCL
H	6143-MW-7	8/31	1155		<	N	3	GW	HCL
I	6143-MW-8	8/31	1245		<	N	3	GW	HCL
J	6143-MW-9	9/1	1845		<	N	3	GW	HCL

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Dry Cleaner list only

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *[Signature]* Time 1:30 Date 9/5/17
Received By: (sign) *[Signature]* Time 1:50 Date 9/5/17

Received in Laboratory By: *[Signature]* Time: 8:00 Date: 9/6/17

CHAIN OF CUSTODY RECORD

PG# 2017-1251

Synergy

WAF

Chain # N: 30353

Page 2 of 3

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 6143
Sampler: (signature) [Signature]

Project (Name / Location): GHM-Oconawoc
Reports To: K. Vander Heiden Invoice To: W. Fassbender
Company: EnviroForensics, LLC
Address: 216 W23290 Stone Ridge Dr, Suite B
City State Zip: Waukesha, WI 53188
Phone: 262-290-4001
FAX: _____

Analysis Requested		Other Analysis												
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503555	6143-MW-10	9/1	1335		✓	N	3	GW	HCL
L	6143-MW-11	9/1	1630		✓	N	3	GW	HCL
M	6143-MW-12	9/1	1720		✓	N	3	GW	HCL
N	6143-MW-13	8/31	0910		×	N	3	GW	HCL
O	6143-MW-14	8/31	1115		✓	N	3	GW	HCL
P	6143-MW-15	8/31	0950		✓	N	3	GW	HCL
Q	6143-MW-16	8/31	0830		✓	N	3	GW	HCL
R	6143-MW-17	9/1	1800		✓	N	3	GW	HCL
S	6143-MW-18	8/31	1430		✓	N	3	GW	HCL
T	6143-MW-19	8/31	0715		✓	N	3	GW	HCL

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Dry Cleaner list only

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) <u>[Signature]</u>	Time <u>1300</u>	Date <u>9/5/17</u>	Received By: (sign) <u>[Signature]</u>	Time <u>1:50</u>	Date <u>9/5/17</u>
Received in Laboratory By: <u>[Signature]</u>	Time: <u>8:00</u>	Date: <u>9/6/17</u>			

CHAIN OF CUSTODY RECORD

PO# 2017-1251

Synergy

wpt

Chain # NO 30354

Page 3 of 3

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. #	
Account No.:	Quote No.:
Project #: 6143	
Sampler: (signature) <i>[Signature]</i>	

Project (Name / Location): OHM-Oconomowoc	
Reports To: K. Vander Heiden	Invoice To: W. Fassbender
Company: Enviroforensics, LLC	Company:
Address: 116 W23390 Stone Ridge Dr, St G	Address:
City State Zip: Waukesha, WI 53188	City State Zip:
Phone: 262-290-4001	Phone:
FAX:	FAX:

Analysis Requested											Other Analysis			
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
SUBS	6143-MW-20	8/31	0750		x	N	3	GW	HCL													x		
V	6143-PZ-1	9/1	1435		<	N	3	GW	HCL													x		
W	6143-PZ-2	8/31	1050		<	N	3	GW	HCL													x		
X	6143-DLP-1	9/1	/		<	N	3	GW	HCL													x		
Y	6143-DLP-2	9/1	/		<	N	3	GW	HCL													x		
Z	6143-DLP-3	8/31	/		<	N	3	GW	HCL													x		
AA	6143-EB-1	9/1	1340		<	N	3	GW	HCL													x		
BB	6143-EB-2	9/1	1850		<	N	3	GW	HCL													x		
CC	6143-EB-3	8/31	1000		<	N	3	GW	HCL													x		
DD	6143-Trip Blank	8/24	/		/	/	1	/	/													x		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Dry cleaner list only

Sample Integrity - To be completed by receiving lab.

Method of Shipment: GC

Temp. of Temp. Blank ___ °C On Ice: A

Cooler seal intact upon receipt: Yes ___ No

Relinquished By: (sign) <i>[Signature]</i>	Time 1300	Date 9/5/17	Received By: (sign) <i>[Signature]</i>	Time 1:50	Date 9/5/17
Received in Laboratory By: <i>[Signature]</i>		Time: 8:00		Date: 9/6/17	

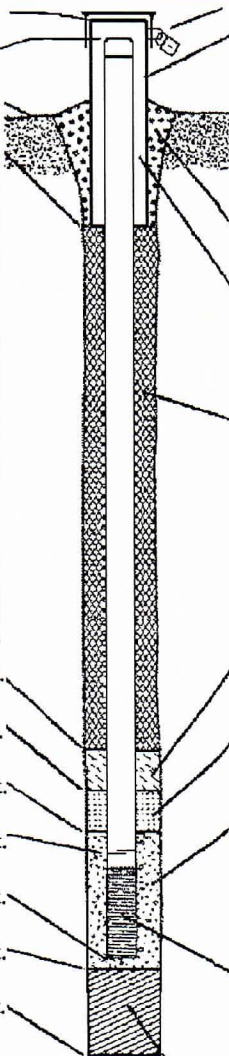


ATTACHMENT 4

Monitoring Well Construction and Development Forms

Facility/Project Name <u>OMM Oconomowoc</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <u>MW-18</u>
Facility License, Permit or Monitoring No. <u>02-68-55111</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID <u>268087380</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>08/22/2017</u> m m d d y y v v
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Adam Sweet</u> <u>Horizon Construction & Exploration</u>
Distance from Waste/ Source _____ ft. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>28</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>164000 RV Sidley</u>
F. Fine sand, top _____ ft. MSL or <u>13</u> ft.	b. Volume added _____ ft ³
G. Filter pack, top _____ ft. MSL or <u>14</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 RV Sidley</u>
H. Screen joint, top _____ ft. MSL or <u>16</u> ft.	b. Volume added _____ ft ³
I. Well bottom _____ ft. MSL or <u>26</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or <u>26</u> ft.	10. Screen material: <u>PVC sched 1240</u>
K. Borehole, bottom _____ ft. MSL or <u>26</u> ft.	a. Screen type: Factory cut <input type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>4 1/4</u> in.	b. Manufacturer <u>Hardflex</u>
M. O.D. well casing <u>2.375</u> in.	c. Slot size: _____ 0.10 in.
N. I.D. well casing <u>2.065</u> in.	d. Slotted length: _____ 10 ft.
	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>



I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm EnviroForensics, LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>OHM Ocononoc</u>	County Name <u>Waukesha</u>	Well Name <u>MW 187</u>	
Facility License, Permit or Monitoring Number <u>02-00-551911</u>	County Code <u>68</u>	Wis. Unique Well Number _____	DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well 37 min.
4. Depth of well (from top of well casing) 25.9 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 53 gal.
7. Volume of water removed from well 30.2 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added N/A
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>19.37</u> ft.	<u>19.40</u> ft.
Date	b. <u>08/22/2017</u>	<u>08/22/2017</u>
Time	c. <u>11:21</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:32</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.4</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Nathan</u>	Last Name: <u>Dody</u>
Firm:	<u>Enviroforensics LLC</u>	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Brian Last Name: Cass

Facility/Firm: One hour Mortarizing

Street: w 228 N2494 County Road F

City/State/Zip: Waukesha, WI 53186

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Nathan Dody

Firm: Enviroforensics LLC

Facility/Project Name <u>OHM Oconowoc</u>		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name <u>mh-18</u>	
Facility License, Permit or Monitoring No. <u>02-60-551911</u>		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or _____		Wis. Unique Well No. _____ DNR Well ID No. _____	
Facility ID <u>260097380</u>		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <u>08/22/2017</u> m m d d y y v v y	
Type of Well Well Code <u>1</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Adam Sweet</u> <u>Horizon Construction & exploration</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>2</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 3.0 Concrete <input checked="" type="checkbox"/> 0.1 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 5.0 Hollow Stem Auger <input checked="" type="checkbox"/> 4.1 Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input checked="" type="checkbox"/> 9.9	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	
17. Source of water (attach analysis, if required): _____	
E. Bentonite seal, top _____ ft. MSL or <u>2</u> ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3.0 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>14</u> ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5.0 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input type="checkbox"/> 0.8
G. Filter pack, top _____ ft. MSL or <u>15</u> ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>17</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>30x10 R.W. Sidley</u> b. Volume added _____ ft ³
I. Well bottom _____ ft. MSL or <u>27</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 R.W. Sidley</u> b. Volume added _____ ft ³
J. Filter pack, bottom _____ ft. MSL or <u>27</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2.4 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>27</u> ft.	10. Screen material: <u>PVC schedule 40</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
L. Borehole, diameter <u>4 1/4</u> in.	b. Manufacturer <u>Monaflex</u> c. Slot size: _____ d. Slotted length: <u>1.0</u> ft.
M. O.D. well casing <u>2.375</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/>
N. I.D. well casing <u>2.065</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm Enviroforensics LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>OHM Oconomowoc</u>	County Name <u>Waukesha</u>	Well Name <u>MW-19</u>
Facility License, Permit or Monitoring Number <u>02-64-551911</u>	County Code <u>68</u>	Wis. Unique Well Number _____
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well 37 min.
4. Depth of well (from top of well casing) 27.2 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 6.2 gal.
7. Volume of water removed from well 34.3 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added N/A
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>20.09</u> ft. | <u>20.14</u> ft. |
| Date | b. <u>08/23/2017</u>
m m d d y y y y | <u>08/23/2017</u>
m m d d y y y y |
| Time | c. <u>11:26</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>01:52</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | <u>0.6</u> inches | <u>0.0</u> inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) _____ | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l
15. COD _____ mg/l

16. Well developed by: Name (first, last) and Firm
 First Name: Nathan Last Name: Duda
 Firm: Enviro Forensics LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Brian Last Name: Cass

Facility/Firm: one hour maintenance

Street: w 229 N2484 County Road P

City/State/Zip: Waukesha, WI 53186

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Joe Lorenz Nathan Duda


Firm: Enviro Forensics LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>OHM Oconomoc</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <u>MW 30</u>
Facility License, Permit or Monitoring No. <u>02-60-551911</u>	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location Lat. _____ " Long. _____ " or _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID <u>268087380</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>08/22/2017</u> m m d d y y v v
Type of Well Well Code <u>1</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Adam Sweet</u> <u>Horizon Construction & Exploration</u>
Distance from Waste/ Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input checked="" type="checkbox"/> 0 1 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9	7. Fine sand material: Manufacturer, product name & mesh size a. <u>30x100 R.W. Sidley</u> b. Volume added _____ ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 R.W. Sidley</u> b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>2</u> ft.	10. Screen material: <u>PVC schedule 40</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>17.0</u> ft.	b. Manufacturer <u>monoflex</u>
G. Filter pack, top _____ ft. MSL or <u>18.0</u> ft.	c. Slot size: <u>0.10</u> in.
H. Screen joint, top _____ ft. MSL or <u>20.5</u> ft.	d. Slotted length: <u>1.0</u> ft.
I. Well bottom _____ ft. MSL or <u>30.5</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or <u>30.5</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>30.5</u> ft.	
L. Borehole, diameter <u>4 1/4</u> in.	
M. O.D. well casing <u>2.375</u> in.	
N. I.D. well casing <u>2.065</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <u>Enviroforensics LLC</u>
--	------------------------------------

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>OHM Oconomowoc</u>	County Name <u>Waukesha</u>	Well Name <u>MW-720</u>
Facility License, Permit or Monitoring Number <u>02-68-551811</u>	County Code <u>60</u>	Wis. Unique Well Number _____
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	_____

3. Time spent developing well 46 min.

4. Depth of well (from top of well casing) 30.3 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 3.0 gal.

7. Volume of water removed from well 8.1 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>27.31</u> ft.	<u>27.40</u> ft.
Date	b. <u>08/23/2017</u>	<u>08/23/2017</u>
Time	c. <u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>15:55</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>1.1</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Nathan Last Name: Redy

Firm: Enviro forensic LLC

17. Additional comments on development:
Purged dry after 5 gallons waited for recharge and recovered 3.15 gallons.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Brian Last Name: Cass

Facility/Firm: One hour mortizing

Street: w229 N2494 Comb Road F

City/State/Zip: Waukesha, WI 53186

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Nathan Redy

Firm: Enviro forensic LLC

NOTE: See instructions for more information including a list of county codes and well type codes.



ATTACHMENT 5

Groundwater Field Sampling Forms

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-1
 Sample ID 6143 - MW-1
 Screened Interval 25.5-35.5
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.09 feet
 Depth to Water 27.97 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump X
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1004</u>	<u>16.58</u>	<u>7.47</u>	<u>9.28</u>	<u>83</u>	<u>655</u>	<u>9.93</u>	<u>27.33</u>	<u>160</u>	<u>800</u>
<u>1009</u>	<u>16.52</u>	<u>7.52</u>	<u>9.95</u>	<u>93</u>	<u>473</u>	<u>7.19</u>	<u>27.33</u>	<u>140</u>	<u>1500</u>
<u>1014</u>	<u>15.94</u>	<u>7.43</u>	<u>10</u>	<u>99</u>	<u>370</u>	<u>6.98</u>	<u>27.34</u>	<u>160</u>	<u>2300</u>
<u>1019</u>	<u>15.90</u>	<u>7.40</u>	<u>10</u>	<u>103</u>	<u>303</u>	<u>6.84</u>	<u>27.35</u>	<u>160</u>	<u>3100</u>
<u>1024</u>	<u>15.99</u>	<u>7.38</u>	<u>9.97</u>	<u>108</u>	<u>263</u>	<u>6.22</u>	<u>27.35</u>	<u>140</u>	<u>3800</u>

PURGE: START Date 9/1/17 Time 1000
SAMPLING: FINISH Date 9/1/17 Time 1035 / 1030 (DUP-1)

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>6</u>	<u>n</u>	<u>n</u>	<u>DUP-1</u>	<u>n</u>

NOTES:

Sampler Signature: [Signature] Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-1D
 Sample ID 6143 - MW-1D
 Screened Interval 45-50
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 49.50 feet
 Depth to Water 26.92 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.09 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
0923	13.94	7.38	0.523	94	219	4.86	29.30	260	1300
0928	13.93	7.33	0.596	81	242	4.49	29.59	180	2200
0933	14.37	7.35	0.718	38	234	3.13	29.55	160	3000
0938	14.65	7.28	0.902	-11	224	2.26	28.87	105	3525
0943	14.86	7.32	0.958	-30	218	2.56	28.81	120	4125

PURGE: START Date 9/1/17 Time 0920

SAMPLING: FINISH Date 9/1/17 Time 0945

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES:

[Handwritten Signature]

Date: 9/1/17

Sampler Signature:
 1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
 2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-2
Sample ID 6143 - MW-2
Screened Interval 25.5-35.5
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 33.43 feet
Depth to Water 25.93 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 0.82 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump X
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1101</u>	<u>18.37</u>	<u>7.51</u>	<u>7.95</u>	<u>54</u>	<u>528</u>	<u>5.34</u>	<u>25.31</u>	<u>120</u>	<u>600</u>
<u>1106</u>	<u>18.40</u>	<u>7.25</u>	<u>7.95</u>	<u>3</u>	<u>423</u>	<u>5.01</u>	<u>25.30</u>	<u>160</u>	<u>1400</u>
<u>1111</u>	<u>18.35</u>	<u>7.15</u>	<u>8.19</u>	<u>2</u>	<u>357</u>	<u>4.76</u>	<u>25.30</u>	<u>140</u>	<u>2100</u>
<u>1116</u>	<u>18.44</u>	<u>7.12</u>	<u>8.60</u>	<u>4</u>	<u>307</u>	<u>4.60</u>	<u>25.30</u>	<u>140</u>	<u>2800</u>
<u>1121</u>	<u>18.63</u>	<u>7.13</u>	<u>9.03</u>	<u>8</u>	<u>230</u>	<u>4.52</u>	<u>25.30</u>	<u>140</u>	<u>3500</u>

PURGE! START Date 9/1/17 Time 1056
SAMPLING: FINISH Date 9/1/17 Time 1125

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature: [Signature] Date: 9/1/17

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-3
 Sample ID 6143 - MW-3
 Screened Interval 26-36
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 33.2 feet
 Depth to Water 27.63 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.08 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump X
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1143</u>	<u>19.80</u>	<u>7.82</u>	<u>4.03</u>	<u>80</u>	<u>127</u>	<u>7.12</u>	<u>27.03</u>	<u>200</u>	<u>1000</u>
<u>1148</u>	<u>18.41</u>	<u>7.69</u>	<u>3.88</u>	<u>87</u>	<u>151</u>	<u>6.49</u>	<u>27.01</u>	<u>180</u>	<u>1900</u>
<u>1153</u>	<u>18.43</u>	<u>7.65</u>	<u>3.96</u>	<u>91</u>	<u>129</u>	<u>7.71</u>	<u>27</u>	<u>160</u>	<u>2700</u>
<u>1158</u>	<u>18.21</u>	<u>7.65</u>	<u>4</u>	<u>95</u>	<u>127</u>	<u>6.48</u>	<u>27.01</u>	<u>140</u>	<u>3400</u>
<u>1203</u>	<u>18.04</u>	<u>7.64</u>	<u>4.04</u>	<u>99</u>	<u>128</u>	<u>6.49</u>	<u>27.01</u>	<u>140</u>	<u>4100</u>

PURGE: START Date 9/11 Time 1140

SAMPLING: FINISH Date 9/11 Time 1205

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES:

Sampler Signature: [Signature] **Date:** 9/11/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-4
 Sample ID 6143 - MW-4
 Screened Interval _____
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.62 feet
 Depth to Water 26.10 feet
 Well Diameter _____ inches
 Casing Volume _____ gallons
 Volume Removed 1.03 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump X
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1226</u>	<u>20.39</u>	<u>8.20</u>	<u>3.15</u>	<u>91</u>	<u>800</u>	<u>7.01</u>	<u>25.39</u>	<u>200</u>	<u>1000</u>
<u>1231</u>	<u>15.97</u>	<u>7.82</u>	<u>2.92</u>	<u>104</u>	<u>800</u>	<u>7.31</u>	<u>25.39</u>	<u>160</u>	<u>1800</u>
<u>1236</u>	<u>16.05</u>	<u>7.77</u>	<u>2.95</u>	<u>95</u>	<u>536</u>	<u>6.47</u>	<u>25.40</u>	<u>140</u>	<u>2500</u>
<u>1241</u>	<u>16.14</u>	<u>7.77</u>	<u>3.0</u>	<u>91</u>	<u>380</u>	<u>6.56</u>	<u>25.40</u>	<u>140</u>	<u>3200</u>
<u>1246</u>	<u>16.27</u>	<u>7.77</u>	<u>3.02</u>	<u>84</u>	<u>300</u>	<u>6.54</u>	<u>25.41</u>	<u>140</u>	<u>3900</u>

PURGE: START Date 9/1 Time 1221

SAMPLING: FINISH Date 9/1 Time 1250

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>		<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: Re-calibrate horiba after sampling

Sampler Signature: [Signature] Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-5
Sample ID 6143 - MW-5
Screened Interval 24.5-34.5
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.50 feet
Depth to Water 29.03 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 1.06 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump x
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1315</u>	<u>20.19</u>	<u>7.47</u>	<u>5</u>	<u>71</u>	<u>670</u>	<u>8.43</u>	<u>NA</u>	<u>160</u>	<u>800</u>
<u>1320</u>	<u>18.91</u>	<u>7.19</u>	<u>5.02</u>	<u>82</u>	<u>583</u>	<u>7.59</u>	<u>NA</u>	<u>160</u>	<u>1600</u>
<u>1325</u>	<u>17.54</u>	<u>7.11</u>	<u>5.06</u>	<u>80</u>	<u>513</u>	<u>7.55</u>	<u>NA</u>	<u>160</u>	<u>2400</u>
<u>1330</u>	<u>16.94</u>	<u>7.08</u>	<u>5.09</u>	<u>76</u>	<u>350</u>	<u>7.35</u>	<u>NA</u>	<u>160</u>	<u>3200</u>
<u>1335</u>	<u>16.61</u>	<u>7.08</u>	<u>5.10</u>	<u>73</u>	<u>279</u>	<u>7.20</u>	<u>NA</u>	<u>160</u>	<u>4000</u>

PURGE: START Date 8/31 Time 1311
FINISH Date 8/31 Time 1340

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature: _____ Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-6
 Sample ID 6143 - MW-6
 Screened Interval 24.9-34.9
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.51 feet
 Depth to Water 29.20 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.11 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1449	23.47	7.59	4.93	120	0	7.42	28.57	240	1200
1454	21.65	7.47	4.81	131	0	6.15	28.56	140	1900
1459	21.21	7.45	4.79	134	0	6.04	28.56	140	2600
1504	21.37	7.45	4.76	135	800	5.95	28.57	160	3400
1509	21.24	7.45	4.73	136	800	5.76	28.56	160	4200

PURGE: START Date 9/1 Time 1445
SAMPLING: FINISH Date 9/1 Time 1510 / 1515 (DUP-2)

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	6	n	n	DUP-2	n

NOTES:

Sampler Signature:  **Date:** _____

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO 6143
CLIENT/CONTACT Brian Cass

Well ID MW-7
Sample ID 6143 - MW-7
Screened Interval 25.1-35.1
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.8 feet
Depth to Water 26.05 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 1.06 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume

0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1132</u>	<u>20.5</u>	<u>7.61</u>	<u>1.86</u>	<u>73</u>	<u>800⁺</u>	<u>5.35</u>	<u>NA</u>	<u>160</u>	<u>800</u>
<u>1137</u>	<u>18.64</u>	<u>7.05</u>	<u>1.67</u>	<u>88</u>	<u>800⁺</u>	<u>3.79</u>	<u>NA</u>	<u>160</u>	<u>1600</u>
<u>1142</u>	<u>17.79</u>	<u>6.98</u>	<u>1.64</u>	<u>91</u>	<u>746</u>	<u>3.59</u>	<u>NA</u>	<u>180</u>	<u>2500</u>
<u>1147</u>	<u>17.32</u>	<u>6.94</u>	<u>1.63</u>	<u>93</u>	<u>481</u>	<u>3.45</u>	<u>NA</u>	<u>160</u>	<u>3300</u>
<u>1152</u>	<u>17.19</u>	<u>6.92</u>	<u>1.63</u>	<u>94</u>	<u>313</u>	<u>3.40</u>	<u>NA</u>	<u>140</u>	<u>4000</u>

PURGE!: START Date 8/31 Time 1128
FINISH Date 8/31 Time 1155

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature:  Date: 8/31/17

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-8
 Sample ID 6143 - MW-8
 Screened Interval 19.5-29.5
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 29.40 feet
 Depth to Water 22.25 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 0.98 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1221	20.31	7.46	2.33	87	0	7.06	NA	160	800
1226	19.43	7.42	2.32	67	355	6.67	NA	160	1600
1231	19.04	7.40	2.33	44	800+	6.18	NA	140	2300
1236	18.61	7.40	2.33	30	800+	6.22	NA	140	3000
1241	18.27	7.40	2.32	23	665	6.28	NA	140	3700

PURGE: START Date 8/31 Time 1216
SAMPLING: FINISH Date 8/31 Time 1245

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES: *Electric Well Sounder Probe not functional during sampling*

Sampler Signature: [Signature] Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-9
 Sample ID 6143 - MW-9
 Screened Interval 19.3-29.3
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 29.53 feet
 Depth to Water 24.04 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 0.95 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow x
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump x
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____


Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1824</u>	<u>16.39</u>	<u>7.81</u>	<u>2.72</u>	<u>116</u>	<u>446</u>	<u>7.81</u>	<u>23.38</u>	<u>120</u>	<u>600</u>
<u>1829</u>	<u>14.21</u>	<u>7.72</u>	<u>2.73</u>	<u>131</u>	<u>131</u>	<u>6.81</u>	<u>23.38</u>	<u>140</u>	<u>1300</u>
<u>1831</u>	<u>15.19</u>	<u>7.28</u>	<u>2.66</u>	<u>133</u>	<u>133</u>	<u>6.21</u>	<u>23.38</u>	<u>140</u>	<u>2000</u>
<u>1839</u>	<u>14.50</u>	<u>7.26</u>	<u>2.71</u>	<u>135</u>	<u>135</u>	<u>6.21</u>	<u>23.38</u>	<u>160</u>	<u>2800</u>
<u>1844</u>	<u>14.31</u>	<u>7.25</u>	<u>2.72</u>	<u>136</u>	<u>136</u>	<u>6.07</u>	<u>23.39</u>	<u>160</u>	<u>3600</u>

PURGE¹: START Date 9/1 Time 1821
SAMPLING: FINISH Date 9/1 Time 1845 / 1850 (EB-2)

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate ²	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>6</u>	<u>n</u>	<u>n</u>	<u>EB-2</u>	<u>n</u>

NOTES:

Sampler Signature:  **Date:** 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-10
 Sample ID 6143 - MW-10
 Screened Interval 23.7 - 33.7
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 -If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 33.71 feet
 Depth to Water 30.29 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.03 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1314</u>	<u>18.79</u>	<u>8.07</u>	<u>0.816</u>	<u>90</u>	<u>87</u>	<u>7.86</u>	<u>29.65</u>	<u>200</u>	<u>1000</u>
<u>1319</u>	<u>17.31</u>	<u>7.64</u>	<u>0.892</u>	<u>113</u>	<u>60.7</u>	<u>7.24</u>	<u>29.65</u>	<u>140</u>	<u>1700</u>
<u>1324</u>	<u>18.81</u>	<u>7.60</u>	<u>0.684</u>	<u>117</u>	<u>59.1</u>	<u>7.12</u>	<u>29.65</u>	<u>140</u>	<u>2400</u>
<u>1329</u>	<u>18.61</u>	<u>7.60</u>	<u>0.721</u>	<u>120</u>	<u>54.6</u>	<u>7.23</u>	<u>29.65</u>	<u>160</u>	<u>3200</u>
<u>1334</u>	<u>18.30</u>	<u>7.57</u>	<u>0.894</u>	<u>125</u>	<u>50.3</u>	<u>7.33</u>	<u>29.65</u>	<u>140</u>	<u>3900</u>

PURGE: START Date 9/1 Time 1310
SAMPLING: FINISH Date 9/1 Time 1335 / 1340 (EB-1)

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	6	n	n	EB-1	n

NOTES:

[Signature]
Sampler Signature:

Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-11
 Sample ID 6143 - MW-11
 Screened Interval 24.3-34.3
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.54 feet
 Depth to Water 29.46 feet
 Well Diameter _____ inches
 Casing Volume _____ gallons
 Volume Removed 0.87 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1609	22.61	7.95	4.88	122	0	7.03	28.86	120	600
1614	23.72	7.5	4.68	117	10	5.71	28.86	140	1300
1619	22.72	7.43	4.76	37	800	5.11	28.86	140	2000
1624	21.39	7.41	4.82	22	738	4.95	28.85	120	2600
1629	20.47	7.41	4.87	28	435	4.75	28.85	140	3300

PURGE!: START Date 9/1 Time 1606

SAMPLING: FINISH Date 9/1 Time 1630

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES:

Sampler Signature: [Signature] **Date:** 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-12
Sample ID 6143 - MW-12
Screened Interval 23.5 - 33.5
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 33.71 feet
Depth to Water 28.92 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 0.92 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1656	18.40	8.40	1.1	78	328	6.68	28.28	160	800
1701	16.15	7.79	1.07	92	324	5.81	28.27	140	1500
1706	15.25	7.54	1.55	36	130	4.87	28.27	120	2100
1711	15.04	7.27	1.75	32	98.5	4.75	28.28	140	2800
1716	14.95	7.26	1.80	79	81.8	4.74	28.27	140	3500

PURGE: START Date 9/1/17 Time 1652

SAMPLING: FINISH Date 9/1/17 Time 1720

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	n	n

NOTES:

Sampler Signature: [Signature] Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

13

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-13
Sample ID 6143 - MW-13
Screened Interval 25-35
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 34.51 feet
Depth to Water 29.78 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 0.59 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump X
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>0847</u>	<u>20.25</u>	<u>5.81</u>	<u>0.515</u>	<u>226</u>	<u>708</u>	<u>6.16</u>	<u>NA</u>	<u>100</u>	<u>500</u>
<u>0852</u>	<u>19.74</u>	<u>6.80</u>	<u>0.443</u>	<u>180</u>	<u>800⁺</u>	<u>7.99</u>	<u>NA</u>	<u>100</u>	<u>1000</u>
<u>0857</u>	<u>19.01</u>	<u>7.14</u>	<u>0.417</u>	<u>171</u>	<u>730</u>	<u>7.63</u>	<u>NA</u>	<u>80</u>	<u>1400</u>
<u>0902</u>	<u>18.39</u>	<u>7.38</u>	<u>0.405</u>	<u>162</u>	<u>657</u>	<u>7.35</u>	<u>NA</u>	<u>65</u>	<u>1725</u>
<u>0907</u>	<u>18.41</u>	<u>7.45</u>	<u>0.402</u>	<u>158</u>	<u>667</u>	<u>7.24</u>	<u>NA</u>	<u>100</u>	<u>2225</u>

PURGE¹: START Date 8/31 Time 0842

SAMPLING: FINISH Date 8/31 Time 0910

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>		<u>n</u>	<u>n</u>		<u>n</u>

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature:  Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-14
 Sample ID 6143 - MW-14
 Screened Interval 21-36
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 -If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 36.01 feet
 Depth to Water 30.78 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 0.95 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump X
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1103	19.84	7.41	3.68	-45	0	9.37	NA	160	800
1108	16.90	7.31	3.61	-1	0	8.85	NA	120	1400
1113	15.01	7.20	3.55	35	800+	8.87	NA	160	2200
1118	15.21	7.8	3.52	49	763	8.43	NA	160	3000
1123	15.02	7.17	3.53	55	552	8.22	NA	100	3600

PURGE¹: START Date 8/31 Time 1059

SAMPLING: FINISH Date 8/31 Time 1115

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES: *Electric Well Sounder Probe not functional during sampling*

Sampler Signature: [Signature] Date: 8/31/17

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
 2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-15
Sample ID 6143 - MW-15
Screened Interval 22.5-37.5
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 37.51 feet
Depth to Water 36.36 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 1.0 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump X
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>0928</u>	<u>21.62</u>	<u>7.24</u>	<u>2.99</u>	<u>156</u>	<u>0</u>	<u>8.49</u>	<u>NA</u>	<u>140</u>	<u>700</u>
<u>0933</u>	<u>20.4</u>	<u>7.20</u>	<u>3.15</u>	<u>161</u>	<u>0</u>	<u>7.31</u>	<u>NA</u>	<u>140</u>	<u>1400</u>
<u>0938</u>	<u>19.34</u>	<u>7.19</u>	<u>3.21</u>	<u>163</u>	<u>0</u>	<u>6.67</u>	<u>NA</u>	<u>160</u>	<u>2200</u>
<u>0943</u>	<u>18.89</u>	<u>7.18</u>	<u>3.19</u>	<u>164</u>	<u>800⁺</u>	<u>6.11</u>	<u>NA</u>	<u>160</u>	<u>3000</u>
<u>0948</u>	<u>18.35</u>	<u>7.19</u>	<u>3.19</u>	<u>165</u>	<u>800⁺</u>	<u>6.02</u>	<u>NA</u>	<u>160</u>	<u>3800</u>

PURGE: START Date 8/31 Time 0923
SAMPLING: FINISH Date 8/31 Time 0950/0955 (DUP-3) / 1000 (EB-3)
Sample Analysis VOC 8260 Volume 40mL Type VOA
Number of Containers 9 Reaction (y/n) n Filter Type n Duplicate DUP-3 + EB-3 MS/MSD _____

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature: _____ Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-16
 Sample ID 6143 - MW-16
 Screened Interval 26-36
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 36.03 feet
 Depth to Water 27.92 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.11 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>0809</u>	<u>19.1</u>	<u>7.9</u>	<u>3.18</u>	<u>134</u>	<u>740</u>	<u>6.42</u>	<u>NA</u>	<u>180</u>	<u>900</u>
<u>0814</u>	<u>18.37</u>	<u>7.48</u>	<u>3.1</u>	<u>147</u>	<u>800+</u>	<u>5.98</u>	<u>NA</u>	<u>160</u>	<u>1700</u>
<u>0819</u>	<u>18.13</u>	<u>7.43</u>	<u>3</u>	<u>148</u>	<u>800+</u>	<u>5.83</u>	<u>NA</u>	<u>180</u>	<u>2600</u>
<u>0824</u>	<u>17.69</u>	<u>7.42</u>	<u>2.92</u>	<u>149</u>	<u>776</u>	<u>5.97</u>	<u>NA</u>	<u>160</u>	<u>3400</u>
<u>0829</u>	<u>17.73</u>	<u>7.41</u>	<u>2.88</u>	<u>149</u>	<u>742</u>	<u>5.98</u>	<u>NA</u>	<u>160</u>	<u>4200</u>

PURGE! START Date 8/31 Time 0805

SAMPLING: FINISH Date 8/31 Time 0830

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>		<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: Electric Well Sounder Probe not functional during sampling Recalibrate Horiba after sampling

Sampler Signature: [Signature] Date: 8/31/17

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
 2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-17
Sample ID 6143 - MW-17
Screened Interval 22.5-37.5
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 37.51 feet
Depth to Water 31.59 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 1.14 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1737</u>	<u>17.19</u>	<u>7.73</u>	<u>2.81</u>	<u>77</u>	<u>288</u>	<u>8.45</u>	<u>30.94</u>	<u>200</u>	<u>1000</u>
<u>1742</u>	<u>17.33</u>	<u>7.39</u>	<u>2.81</u>	<u>101</u>	<u>296</u>	<u>5.78</u>	<u>30.95</u>	<u>180</u>	<u>1900</u>
<u>1747</u>	<u>17.32</u>	<u>7.38</u>	<u>2.81</u>	<u>104</u>	<u>270</u>	<u>5.79</u>	<u>30.96</u>	<u>160</u>	<u>2700</u>
<u>1752</u>	<u>17.31</u>	<u>7.38</u>	<u>2.83</u>	<u>109</u>	<u>263</u>	<u>5.81</u>	<u>30.96</u>	<u>160</u>	<u>3500</u>
<u>1757</u>	<u>17.33</u>	<u>7.34</u>	<u>2.86</u>	<u>113</u>	<u>229</u>	<u>5.68</u>	<u>30.96</u>	<u>160</u>	<u>4300</u>

PURGE¹: START Date 9/1/17 Time 1731

SAMPLING: FINISH Date 9/1/17 Time 1800

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES:

Sampler Signature: [Signature] Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID MW-18
 Sample ID 6143 - MW-18
 Screened Interval _____
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 25.90 feet
 Depth to Water 19.66 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.14 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow x
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump x
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1406	19.06	7.82	2.2	65	0	7.15	NA	180	900
1411	16.11	7.25	2.06	86	0	5.44	NA	180	1800
1416	15.70	7.16	2.06	91	0	4.86	NA	160	2600
1421	15.64	7.11	2.06	94	0	4.57	NA	160	3400
1426	15.78	7.09	2.06	97	0	4.49	NA	180	4300
							A purge contents are sediment-rich		

PURGE: START Date 8/31 Time 1358

SAMPLING: FINISH Date 8/31 Time 1430

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature: _____ **Date:** 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

2

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO 6143
CLIENT/CONTACT Brian Cass

Well ID MW-19
Sample ID 6143 - MW-19
Screened Interval _____
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 27.20 feet
Depth to Water 23.44 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 0.95 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump X
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
0654	19.56	8.13	1.94	125	0	6.26	NA	140	700
0659	18.52	7.63	1.93	130	0	5.70	NA	160	1500
0704	17.80	7.53	1.94	132	0	5.95	NA	140	2200
0709	17.40	7.50	1.94	132	0	5.73	NA	140	2900
0714	17.16	7.49	1.93	134	0	5.91	NA	140	3600

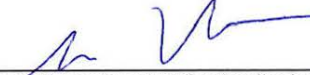
purge contents are sediment-rich

PURGE: START Date 8/31 Time 0650

SAMPLING: FINISH Date 8/31 Time 0715

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES: *Electric Well Sounding Probe not functional during sampling*

Sampler Signature:  Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID MW-20
Sample ID 6143 - MW-20
Screened Interval _____
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
- If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 30.30 feet
Depth to Water 23.81 feet
Well Diameter 2 inches
Casing Volume _____ gallons
Volume Removed 0.71 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>0728</u>	<u>19.7</u>	<u>8.07</u>	<u>2.24</u>	<u>115</u>	<u>0</u>	<u>3.46</u>	<u>NA</u>	<u>120</u>	<u>600</u>
<u>0733</u>	<u>19.32</u>	<u>7.76</u>	<u>2.27</u>	<u>134</u>	<u>0</u>	<u>1.78</u>	<u>NA</u>	<u>120</u>	<u>1200</u>
<u>0738</u>	<u>18.95</u>	<u>7.64</u>	<u>2.30</u>	<u>136</u>	<u>0</u>	<u>1.19</u>	<u>NA</u>	<u>100</u>	<u>1700</u>
<u>0743</u>	<u>18.96</u>	<u>7.60</u>	<u>2.31</u>	<u>136</u>	<u>0</u>	<u>1.13</u>	<u>NA</u>	<u>100</u>	<u>2200</u>
<u>0748</u>	<u>18.91</u>	<u>7.58</u>	<u>2.31</u>	<u>136</u>	<u>0</u>	<u>1.1</u>	<u>NA</u>	<u>100</u>	<u>2700</u>

1 purge contents are sediment-rich

PURGE: START Date 8/31 Time 0724
FINISH Date 8/31 Time 0750

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES: *Electric Well Sounder Probe not functional during sampling*

Sampler Signature:  Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
PROJECT NO. 6143
CLIENT/CONTACT Brian Cass

Well ID PZ-1
Sample ID 6143 - PZ-1
Screened Interval 50-55
Sampler (print) K. Vander Heiden

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 54.48 feet
Depth to Water 28.33 feet
Well Diameter _____ inches
Casing Volume _____ gallons
Volume Removed 1.11 gallons
Total No. of Casing Volumes Removed _____
Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow
Grab/No-purge _____
Bailer¹ _____
Peristaltic pump _____
Submersible Pump
Passive Diffusion Bag² _____
Other _____
Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
<u>1410</u>	<u>22.05</u>	<u>7.66</u>	<u>2.78</u>	<u>125</u>	<u>389</u>	<u>5.95</u>	<u>28.38</u>	<u>220</u>	<u>1100</u>
<u>1415</u>	<u>19.66</u>	<u>7.34</u>	<u>3.73</u>	<u>139</u>	<u>335</u>	<u>3.24</u>	<u>28.33</u>	<u>200</u>	<u>2100</u>
<u>1420</u>	<u>19.96</u>	<u>7.29</u>	<u>4.05</u>	<u>138</u>	<u>315</u>	<u>2.81</u>	<u>28.35</u>	<u>140</u>	<u>2800</u>
<u>1425</u>	<u>20.26</u>	<u>7.24</u>	<u>4.09</u>	<u>137</u>	<u>305</u>	<u>2.79</u>	<u>28.35</u>	<u>140</u>	<u>3500</u>
<u>1430</u>	<u>20.39</u>	<u>7.27</u>	<u>4.10</u>	<u>136</u>	<u>294</u>	<u>3.34</u>	<u>28.36</u>	<u>140</u>	<u>4200</u>

PURGE: START Date 9/1 Time 1358

SAMPLING: FINISH Date 9/1 Time 1435

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
<u>VOC 8260</u>	<u>40mL</u>	<u>VOA</u>	<u>3</u>	<u>n</u>	<u>n</u>	<u>N</u>	<u>n</u>

NOTES:

Sampler Signature:  Date: 9/1/17

- Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

PROJECT NAME OHM - Oconomowoc
 LOCATION/ADDRESS 36929 Plank Road
Oconomowoc, WI
 PROJECT NO. 6143
 CLIENT/CONTACT Brian Cass

Well ID PZ-2
 Sample ID 6143 - PZ-2
 Screened Interval 51.5-56.5
 Sampler (print) K. Vander Heiden

Pump Placement:
 - If water level is above top of well screen, place pump in middle of well screen.
 - If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 61.39 feet
 Depth to Water 29.93 feet
 Well Diameter 2 inches
 Casing Volume _____ gallons
 Volume Removed 1.32 gallons
 Total No. of Casing Volumes Removed _____
 Date 9/7/2017

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well

SAMPLING METHOD:

Low-Flow X
 Grab/No-purge _____
 Bailer¹ _____
 Peristaltic pump _____
 Submersible Pump X
 Passive Diffusion Bag² _____
 Other _____
 Pump Depth (ft below TOC) (if applicable) _____

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

Time	MUST BE STABLE			AT LEAST ONE MUST BE STABLE			Sampling DTW (ft)	Flow Rate (ml/min)	mL Removed
	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (umSi/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxygen (mg/L) +/- 10%			
1019	20.68	7.63	1.53	-34	800 ⁺	6.44	NA	140	700
1024	20.31	7.37	1.64	-80	800 ⁺	4.45	NA	120	1300
1029	19.06	7.23	1.89	-92	656	3.24	NA	140	2000
1034	18.14	7.15	2.08	-100	571	1.91	NA	140	2700
1039	17.24	7.13	2.19	-105	155	1.06	NA	160	3500
1044	16.87	7.12	2.24	-109	116	0.83	NA	160	4300
1049	16.72	7.12	2.25	-109	103	0.63	NA	140	5000

PURGE: START Date 8/31 Time 1015

SAMPLING: FINISH Date 8/31 Time 1050

Sample Analysis	Volume	Type	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC 8260	40mL	VOA	3	n	n	N	n

NOTES: Electric Well Sounder Probe not functional during sampling

Sampler Signature: 

Date: 8/31/17

- Monitoring wells sampled with a bailer require at least 5 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.
- Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.