



July 27, 2020

Mr. Greg Michael, Project Manager Remediation & Redevelopment
Wisconsin Department of Natural Resources
DNR Service Center
141 NW Barstow, Room 180
Waukesha, WI 53188

Re: Amendment to the Remedial Status Update Supplemental to the Semi-Annual Remediation Site Operation, Maintenance, Monitoring and Optimization Report Former One Hour Martinizing Cleaner 36929 Plank Road, Oconomowoc, Wisconsin BRRTS# 02-68-551911

Dear Mr. Michael:

EnviroForensics, LLC (EnviroForensics) is submitting this amendment to the Remedial Status Update Report, dated February 6, 2020. The purpose of this amendment is to provide the Wisconsin Department of Natural Resources (WDNR) with additional groundwater data collected recently, and to reiterate our desire to decommission the existing soil vapor extraction (SVE) system. We also provide a response to past communications with you regarding the need for further vapor intrusion (VI) risk assessing of the existing large commercial structure (currently a Pick N Save food store).

Based on our email communications of June 8-9, 2020, you indicated that another round of groundwater samples should be collected before a decision could be made by the WDNR regarding decommissioning of the SVE system. We performed the additional requested groundwater sampling event during June 16-17, 2020. Per your request, we have attached **Figure 1**, which shows the well locations, and displays the concentrations of chlorinated volatile organic compounds (CVOCs) for the last two (2) sampling events performed after SVE system shut down. A summary of CVOC concentrations in groundwater is presented in the attached **Table 1**. The laboratory analytical reports are also attached.

As can be seen on **Figure 1**, and in **Table 1**, the concentrations of CVOCs in groundwater have continued to decrease within the source area as a result of remedial injections performed in 2018. The concentrations of CVOCs in wells located outside of the treatment area have fluctuated slightly, but remain stable.

As previously stated in the February 2020 Remedial Status Update, we are requesting your approval to decommission the existing SVE system due to the high cost of operation versus the anticipated further benefit. Continued operation of the SVE system would not demonstrably improve subsurface conditions or result in any regulatory thresholds being achieved.

You also mentioned in our past communications that further assessment of potential VI risk to the Pick N Save building will be required prior to case closure. A potential VI risk to the building was identified

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prior to site remedial activities within one (1) vapor sample collected from vapor monitoring point SG-1s installed along the northwest side of the building near the source area of impacts (refer to attached **Figure 2** for the locations of site vapor monitoring points and past vapor monitoring results). After two years of SVE system operation and subsequent groundwater treatment, the concentrations of CVOCs in soil vapor have decreased dramatically to below any vapor risk screening levels (VRSLs).

We do not believe that sub-slab vapor sampling within this active retail food store is practical or necessary. There are no soil impacts beneath the building and the depth to groundwater beneath the building averages 29 plus feet as measured in wells MW-5, MW-6, MW-11, and MW-12 providing a significant thickness of soil above the water table for CVOC vapor to attenuate. Groundwater concentrations of CVOCs in these same wells have been low over time as seen in **Table 1**, with concentrations of CVOCs in source area well MW-1 and well MW-5 (closest to the building and within the source area) reduced significantly. In addition, the Pick N Save store is a large commercial structure with high ceilings and significant air exchanges from the HVAC system. Additional air exchange occurs through frequent opening and closing of large sliding entry doors.

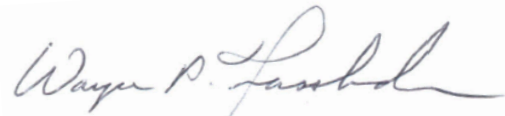
Therefore, we recommend collecting another round of soil vapor samples from the three (3) existing shallow vapor monitoring points to ensure that vapor concentrations adjacent to the building and closest to the source area remain below VRSLs. If additional vapor sampling is required by the Department to complete the VI risk assessment, then we would recommend additional shallow soil vapor probes be placed along the north side of the building, rather than intrusive sub-slab sampling inside of the building.

We anticipate sampling groundwater in all site wells during September of 2020. This will complete eight (8) rounds of post-remediation groundwater monitoring. If a VI risk is not identified for the Pick N Save building, then we are planning to submit documentation for case closure.

Please respond with your approval to decommission the SVE system and your decisions regarding further VI assessment. If you have any questions/comments regarding this request or our planned future activities, please feel free to contact me at 414-982-3988.

Sincerely,

EnviroForensics LLC

A handwritten signature in black ink that reads "Wayne P. Fassbender".

Wayne Fassbender, P.G., P.M.P.
Senior Project Manager

Attachments:

Table 1: Monitoring Well Sample Analytical Results

Figure 1: Groundwater Analytical Results Post-SVE Shutdown

Figure 2: Soil Vapor Analytical Results Map

Laboratory Analytical Results Report of Recent Groundwater Sampling

TABLE 1
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-1	05/08/09	210	0.66 J	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	08/28/09	357	1.9 J	<4.2	<4.4	<0.90	<0.90	<0.43	<0.20
	12/03/09	154	<0.96	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	03/10/10	229	1.0 J	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	06/02/10	140	<0.96	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	09/17/10	442	<2.4	<4.2	<4.4	<0.90	<0.90	<2.2	<1.4
	01/07/11	420	2.4	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	167	0.58 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	335	<1.9	<3.3	<3.6	<0.72	<0.72	<1.7	<5.2
	12/19/11	170	0.78 J	<1.0	<1.0	<0.40	<1.3	<1.0	<0.40
	02/28/12	120	0.46 J	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	05/24/12	140	0.81	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	120	0.69	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	169	<3.3	<3.8	<3.5	<1.8	<17	<5	<2.8
	1/3/2014	254	<3.3	<3.8	<3.5	<1.8	<17	<5	<2.8
	3/6/2014	267	2.2 J	<1.9	<1.75	<0.9	<8.5	<2.5	<1.4
	5/29/2014	109	<1.65	<1.9	<1.75	<0.9	<8.5	<2.5	<1.4
	10/9/2014	280	2.63	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	78	<2.35	<2.25	<2.7	<0.85	NA	NA	NA
	11/5/2015	82	0.53 J	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	237	1.50	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	205	<2.25	<2.05	<1.75	<0.95	NA	NA	NA
	9/1/2017	340	1.95	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	44	1.38	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	3.2	0.59 J	0.50 J	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	9.7	7.0	19.5	<0.34	0.76	<2.1	<1.32	<0.26
	3/18/2019	2.7	0.49 J	20.5	<0.34	7.3	<2.1	<1.32	<0.26
	6/6/2019 ³	2.03	0.44 J	11.1	<0.34	3.9	<2.1	1.73 J	1.31
9/4/2019 ³	1.35	0.37 J	6.6	<0.34	2.5	<2.1	5.3	<0.26	
12/12/2019	0.78 J	0.44 J	1.19	<0.34	1.41	NA	NA	NA	
6/16/2020	0.4 J	0.82 J	5.7	<0.37	<0.2	NA	NA	NA	
MW-1D	08/28/09	7.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	12/03/09	14	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	03/10/10	3.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	06/02/10	4.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/17/10	8.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	01/07/11	2.7	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	2.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	3.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	2.0	2.0	<0.50	<0.50	<0.20	0.90 J	<1.0	<0.20
	02/27/12	1.8 J	<0.96	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	05/22/12	2.5	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	4.4	<0.19	8.5	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	0.91 J	0.37 J	2.08	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	0.42 J	<0.33	3.8	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	6.0	1.87	11.3	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	1.37	0.46 J	0.66 J	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	0.77 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	2.33 J	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	2.08	0.53 J	1.01 J	<0.54	<0.17	NA	NA	NA
	10/11/2016	0.57 J	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	<0.48	<0.45	0.85 J	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
5/18/2018	0.66 J	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
11/28/2018	<0.48	<0.3	0.61 J	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	0.51 J	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/10/2019	1.1 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/16/2020	<0.33	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	

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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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-2	08/28/09	14.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	12/03/09	31.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	03/10/10	36.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	06/02/10	24.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/17/10	47.8	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	01/07/11	41	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	44.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	41.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	51	<0.20	<0.20	<0.20	<0.20	<0.25	<1.0	<0.20
	02/27/12	45	<0.20	<0.20	<0.20	<0.20	<0.25	<1.0	<0.20
	05/23/12	37	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	29.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	37.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	27.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	18.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	16.9	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	23	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	1.25 J	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	1.82	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	4.7	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
8/29/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
11/28/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
3/18/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/4/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	2.15	
12/10/2019	0.67 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/16/2020	0.62 J	<0.47	0.39 J	<0.37	<0.2	NA	NA	NA	
MW-3	08/28/09	49.5	0.68 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	12/03/09	63.3	1.0	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	03/10/10	51.6	0.93 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	06/02/10	34.2	0.64 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/17/10	96.3	3.6	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	01/07/11	83	3.3	<0.64	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	72.9	2.7	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	74.4	2.7	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	66	1.2 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/28/12	70	1.2 J	<0.20	<0.20	<0.20	<0.25	<0.68	<0.20
	05/23/12	57	1.3	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	52	2.2	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	65	3.5	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	55	1.88	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	68	2.07	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	56	2.22	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	58	1.78	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	64	1.55	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	54	2.06	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	63	1.91	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	62	1.38 J	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	51	1.28 J	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	52	1.23	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
8/29/2018	41	0.79 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
11/27/2018	54	0.89 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
3/18/2019	44	0.72 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	47	0.54 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	33	0.40 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/10/2019	43	0.57 J	<0.37	<0.34	<0.2	NA	NA	NA	
6/16/2020	37	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	

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MONITORING WELL SAMPLE ANALYTICAL RESULTS

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Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-4	01/07/11	46	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	69	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	29	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	23	<0.20	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/27/12	19	<0.20	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	05/23/12	35	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	30	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	53	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	19.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	32.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	13.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	12.7	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	14.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	11.8	<0.47	<0.54	<0.45	<0.54	NA	NA	NA
	10/13/2016	17.2	<0.47	<0.54	<0.45	<0.54	<1.6	<1.3	<0.43
	4/3/2017	27.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	31.4	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	30.1	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	35	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	52	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	33	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	11.3	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	11.4	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/10/2019	38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/16/2020	26.4	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-5	01/07/11	140	0.86	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	133	0.77 J	<0.83	<0.89	<0.18	<0.18	<0.61	<1.3
	09/08/11	121	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	110	0.41 J	<0.50	<0.50	<0.20	<0.50	<1.0	<0.20
	02/28/12	140	0.62 J	<0.50	<0.50	<0.20	<0.50	<1.0	<0.20
	05/23/12	89	0.49 J	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	98	0.58	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	105	0.75 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	160	1.34	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	180	1.93	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	162	0.96 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	116	1.23	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	152	0.89 J	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	158	<4.7	<4.5	<5.4	<1.7	NA	NA	NA
	10/13/2016	132	0.68	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	67	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	68	<0.45	0.43 J	<0.35	<0.19	NA	NA	NA
	5/18/2018	99	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	43	<0.3	0.47 J	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	39	0.58 J	0.61 J	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	27.2	0.83 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/7/2019	19.5	1.41	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	21.6	4.9	0.54 J	<0.34	<0.2	<2.1	<1.32	<0.26	
12/12/2019	17.9	19.5	4.0	<0.34	<0.2	NA	NA	NA	
6/16/2020	6.9	15.3	7.5	<0.37	<0.2	NA	NA	NA	

TABLE 1
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-6	01/07/11	41	0.38	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	47.3	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	39.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	43	0.27 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/28/12	36	0.21 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	05/23/12	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/11/2013	19	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	28.8	0.34 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	36	0.71 J	<0.38	<0.35	0.21 J	<1.7	<0.5	<0.28
	3/6/2014	33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	40	0.51 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	34	0.37 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	45	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	36	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	26.3	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	29.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	22.2	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	55	0.62 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	27	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	36	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	35	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	29.5	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	22.8	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/12/2019	25.1	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/16/2020	24.4	1.57	<0.39	<0.37	<0.2	NA	NA	NA	
MW-7	01/07/11	<0.50	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<1.0	0.47 J
	02/27/12	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<1.0	0.49 J
	05/22/12	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43	
3/30/2017	0.55 J	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
12/10/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-8	6/11/2013	1.3	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	1.52	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	1.11	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	1.67	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	0.33 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	1.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	2.12 J	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	2.5	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	3.01	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	2.02	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	3.00	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/9/2019	3.20	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/17/2020	3.15	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	

TABLE 1
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-9	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/9/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/17/2020	<0.33	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-10	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/10/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-11	6/11/2013	12	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	30.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	38	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	25	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	24	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	23.5	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	23.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	14.5	0.48 J	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	20.6	0.35 J	0.76 J	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	26.9	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	3/18/2019	1.37	<0.3	0.46 J	<0.34	<0.2	<2.1	<1.32	<0.26
6/6/2019	4.1	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/4/2019	8.7	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/11/2019	47	0.45 J	<0.37	<0.34	<0.2	NA	NA	NA	
6/17/2020	18.8	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-12	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/10/2019	0.47 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
6/16/2020	<0.33	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	

TABLE 1
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-13	1/3/2014	1.15	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	1.27	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	1.73	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	1.20	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	4/15/2015	2.57	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	3.90	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	2.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	3.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	5.2	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	9.6	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	2.3	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/11/2019	5.6	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
6/17/2020	7.4	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-14	4/15/2015	10.5	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	6.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	12.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	29.9	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	45	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	26.6	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	40	0.35 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	44	0.34 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	9/5/2019	34	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/11/2019	38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
6/16/2020	44	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-15	4/15/2015	2.97	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	10.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	3.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	8.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	9.2	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	6.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/11/2019	15.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
6/16/2020	16.4	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-16	8/3/2015	2.99	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	4.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	11.1	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	28.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	5.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	20.6	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	11/27/2018	8.9	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	9/5/2019	14.9	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	12/11/2019	6.3	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
6/17/2020	14.6	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	
MW-17	8/3/2015	8.4	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	11.1	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	13.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	1.57	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/10/2019	6.8	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
	6/17/2020	8.0	<0.47	<0.39	<0.37	<0.2	NA	NA	NA
MW-18	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	2.3	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/9/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
	6/17/2020	<0.33	<0.47	<0.39	<0.37	<0.2	NA	NA	NA
MW-19	8/31/2017	2.44	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	11/27/2018	2.9	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	9/4/2019	2.16	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/11/2019	2.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
	6/17/2020	2.99	<0.47	<0.39	<0.37	<0.2	NA	NA	NA

TABLE 1
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-20	8/31/2017	2.32	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	0.68 J	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	11/27/2018	1.53	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	9/4/2019	1.3	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	12/9/2019	1.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
	6/17/2020	1.57	<0.47	<0.39	<0.37	<0.2	NA	NA	NA
PZ-1	1/3/2014	8.9	<0.33	<0.38	<0.35	0.26 J	<1.7	<0.5	<0.28
	3/6/2014	8.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	6.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	7.1	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	4/15/2015	<0.74	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	10.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	9.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	11.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	17.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	10.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/12/2019	6.6	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
	6/16/2020	7.9	<0.47	<0.39	<0.37	<0.2	NA	NA	NA
PZ-2	4/15/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/11/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
6/16/2020	<0.33	<0.47	<0.39	<0.37	<0.2	NA	NA	NA	

Notes:

Samples analyzed using EPA SW-846 Method 8260

All concentrations reported in units of micrograms per liter (µg/L)

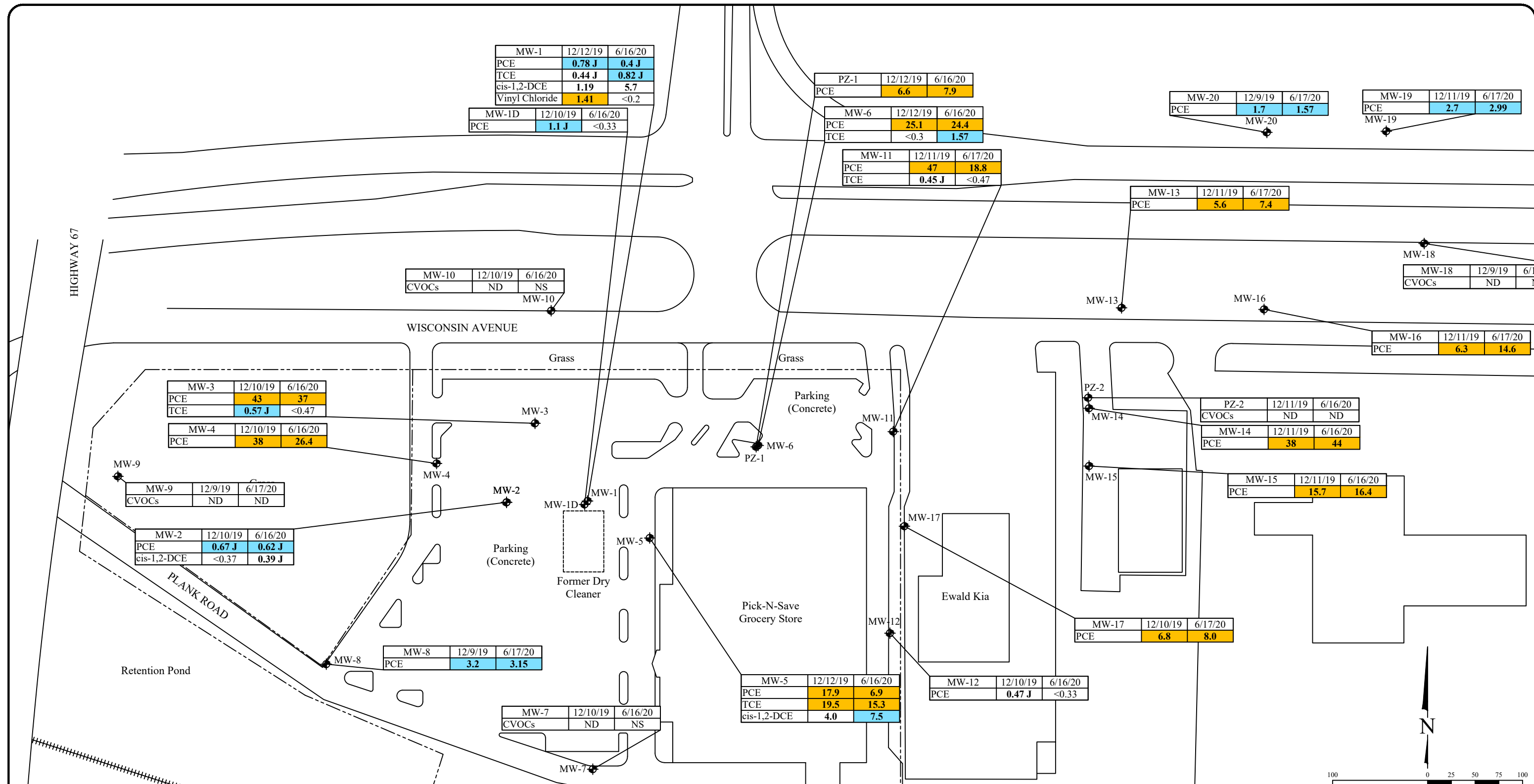
Bolded and orange shaded values are above Public Health Enforcement Standards

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

J = Estimated concentration between the laboratory Method Detection Limit and Reporting Limit

NA = Not Analyzed

³ = Methylene Chloride detected at a concentration above the preventive action limit



Legend

Property boundary
 MW-1 Monitoring well sample location

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
Vinyl Chloride	0.02	0.2

- Note:
1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
 2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 3. Bolded values are above detection limits
 4. J = Analyte concentration less than laboratory detection limits
 5. Samples analyzed using EPA SW-846 Method 8260
 6. All results reported in units of micrograms per liter (µg/L)
 7. PCE = Tetrachloroethene
 8. TCE = Trichloroethene
 9. cis-1,2-DCE = cis-1,2-Dichloroethene
 7. ND = Not detected above laboratory detection limits
 8. CVOCs = Chlorinated Volatile Organic Compounds
 9. NS = Not sampled

**GROUNDWATER ANALYTICAL RESULTS
 POST-SVE SHUTDOWN**
 Martinizing Dry Cleaning
 36929 Plank Road
 Oconomowoc, WI

Date:	7/27/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1701

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

Figure	1
Project	6143

HIGHWAY 67

WISCONSIN AVENUE

PLANK ROAD

Retention Pond

VP-3s	12/20/19
PCE	372
TCE	4.94
VP-3d	12/20/19
PCE	948
TCE	13.3

SG-1s	6/21/13	1/17/18	12/20/19
PCE	20,000	1,260	86.8
SG-1d	6/21/13	1/17/18	12/20/19
PCE	80,000	2,440	248

SG-5	9/15/15	2/25/16
PCE	661	<3.19

SG-4	9/15/15	2/25/16
PCE	54.9	<3.19

MW-1	1/17/18
PCE	14,700
TCE	83.8

MW-2	1/17/18
PCE	14.8

VP-1s	12/20/19
PCE	28.6
VP-1d	12/20/19
PCE	<3.19

SG-2s	6/21/13	12/20/19	
PCE	3,600	231	
TCE	120	<10.7	
SG-2d	6/21/13	1/17/18	12/20/19
PCE	22,000	6,470	1,610

SG-3s	6/21/13	12/20/19	
PCE	570	<3.19	
TCE	31	<1.07	
SG-3d	6/21/13	1/17/18	12/20/19
PCE	15,000	1,610	758
TCE	<170	<10.7	16.7

Legend

- Property boundary
- MW-1 ● Monitoring well sample location
- SG-1s/d ● Nested soil gas sampling point
- SVE-1s/d ⊕ SVE wells
- VP-1s/d ● Nested vacuum monitoring point

Soil Vapor Risk Screening Level			
Analyte	Large Commercial/Industrial ¹	Small Commercial ²	Residential ³
PCE	18,000/180,000*	6,000/18,000*	1,400/4,200*
TCE	880/8,800*	290/880*	70/210*

Notes:

1. Bolded and orange shaded values exceed the Large Commercial/Industrial Vapor Risk Screening Level
2. Bolded and blue shaded values exceed the Small Commercial Vapor Risk Screening Level
3. Bolded and green shaded values exceed the Residential Vapor Risk Screening Level
4. Bolded values exceed laboratory reporting limits
5. All concentrations reported in reported in micrograms per cubic meter (ug/m³)
6. PCE = Tetrachloroethene
7. TCE = Trichloroethene
8. s = Shallow Soil Gas
9. d = Deep Soil Gas
10. * = Indicates VRSL for deep soil gas samples
11. ¹ = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Large Commercial indoor air with an attenuation factor of 0.01 for soil gas below large commercial/industrial
12. ² = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Small Commercial indoor air with an attenuation factor of 0.03 for soil gas below small commercial
13. ³ = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Large Commercial indoor air with an attenuation factor of 0.03 for soil gas below residential



0 25 50 75 100
APPROXIMATE SCALE: 1" = 100'

SOIL VAPOR ANALYTICAL RESULTS MAP

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date:	1/29/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1528



825 North Capitol Avenue • Indianapolis, IN 46204
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Figure

2

Project

6143

Synergy Environmental Lab, INC

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

WAYNE FASSBENDER
ENVIROFORENSICS
N16 W 23390 STONERIDGE DR
WAUKESHA WI 53188

Report Date 30-Jun-20

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071A
Sample ID 6143-MW-1
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	12.0	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	8.71	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 5	ug/l	5	15	10	8015		6/25/2020	MJR	1
Ethene	< 5	ug/l	5	15	10	8015		6/25/2020	MJR	1
Methane	6760	ug/l	10	30	10	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	5.7	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	0.4 "J"	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	0.82 "J"	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	< 0.47	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	44.0	mg/l	6.74	22.46	2	ASTM D516-9		6/23/2020	NJC	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071B
Sample ID 6143-MW-1D
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	116	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/19/2020	CJR	1

Lab Code 5038071C
Sample ID 6143-MW-2
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	1.43	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	13.7	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	400	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	0.39 "J"	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	0.62 "J"	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	1.64	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	155	mg/l	33.7	112.3	10	ASTM D516-5		6/23/2020	NJC	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071D
Sample ID 6143-MW-3
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.66	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	2.35	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	1.33 "J"	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	37	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	122	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	0.83 "J"	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	76.8	mg/l	16.85	56.15	5	ASTM D516-9		6/23/2020	NJC	3 64

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071E
Sample ID 6143-MW-4
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.03	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	0.71	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	5.92	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	26.4	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	117	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	1.94	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	66.6	mg/l	16.85	56.15	5	ASTM D516-9		6/23/2020	NJC	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071F
Sample ID 6143-MW-5
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	1.95	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	3.28	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	178	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	7.5	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	6.9	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	15.3	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	115	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	< 0.47	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	76.6	mg/l	16.85	56.15	5	ASTM D516-5		6/23/2020	NJC	1

Lab Code 5038071G
Sample ID 6143-MW-6
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	24.4	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	1.57	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		6/19/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071H
Sample ID 6143-MW-8
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	3.15	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	119	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		6/19/2020	CJR	1

Lab Code 5038071I
Sample ID 6143-MW-9
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	121	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		6/19/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071J
Sample ID 6143-MW-11
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.47	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	1.82	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	13.4	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/19/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/19/2020	CJR	1
Tetrachloroethene	18.8	ug/l	0.33	1	1	8260B		6/19/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/19/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/19/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		6/19/2020	CJR	1
SUR - 4-Bromofluorobenzene	120	REC %			1	8260B		6/19/2020	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		6/19/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/19/2020	CJR	1
Wet Chemistry										
General										
Nitrate Nitrogen, Total	1.51 "J"	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	141	mg/l	33.7	112.3	10	ASTM D516-5		6/23/2020	NJC	1

Lab Code 5038071K
Sample ID 6143-MW-12
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	123	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	111	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		6/20/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071L
Sample ID 6143-MW-13
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	7.4	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	121	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	110	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		6/20/2020	CJR	1

Lab Code 5038071M
Sample ID 6143-MW-14
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.03	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1
Iron, Total	0.36	mg/l	0.03	0.1	1	200.7		6/25/2020	CWT	1

Organic										
GASES										
Ethane	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Ethene	< 0.5	ug/l	0.5	1.5	1	8015		6/25/2020	MJR	1
Methane	< 1	ug/l	1	3	1	8015		6/25/2020	MJR	1
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	44	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	120	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		6/20/2020	CJR	1

Wet Chemistry										
General										
Nitrate Nitrogen, Total	2.52	mg/l	0.47	1.56	1	353.2		6/19/2020	NJC	1
Sulfate, Unfiltered	108	mg/l	16.85	56.15	5	ASTM D516-5		6/23/2020	NJC	3 64

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071N
Sample ID 6143-MW-15
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	16.4	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/20/2020	CJR	1

Lab Code 5038071O
Sample ID 6143-MW-16
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	14.6	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/20/2020	CJR	1

Lab Code 5038071P
Sample ID 6143-MW-17
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	8.0	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/20/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071Q
Sample ID 6143-MW-18
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/20/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/20/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/20/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/20/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/20/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/20/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/20/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		6/20/2020	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		6/20/2020	CJR	1

Lab Code 5038071R
Sample ID 6143-MW-19
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	2.99	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	116	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		6/22/2020	CJR	1

Lab Code 5038071S
Sample ID 6143-MW-20
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	1.57	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	126	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		6/22/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071T
Sample ID 6143-PZ-1
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	7.9	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	120	REC %			1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/22/2020	CJR	1

Lab Code 5038071U
Sample ID 6143-PZ-2
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	121	REC %			1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/22/2020	CJR	1

Lab Code 5038071V
Sample ID 6143-DUP-1
Sample Matrix Water
Sample Date 6/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	49	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		6/22/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071W
Sample ID 6143-DUP-2
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	7.5	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	122	REC %			1	8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		6/22/2020	CJR	1

Lab Code 5038071X
Sample ID 6143-DUP-3
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/23/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/23/2020	CJR	1
Tetrachloroethene	15.2	ug/l	0.33	1	1	8260B		6/23/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/23/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/23/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/23/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/23/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		6/23/2020	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		6/23/2020	CJR	1

Lab Code 5038071Y
Sample ID 6143-EB-1
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/23/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/23/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/23/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/23/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/23/2020	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		6/23/2020	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/23/2020	CJR	1
SUR - 4-Bromofluorobenzene	124	REC %			1	8260B		6/23/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		6/23/2020	CJR	1

Project Name OHM-OCONOMOWOC
Project # 6143 PO#2020-1661

Invoice # E38071

Lab Code 5038071Z
Sample ID 6143-EB-2
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/23/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/23/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/23/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/23/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/23/2020	CJR	1
SUR - Dibromofluoromethane	117	REC %				8260B		6/23/2020	CJR	1
SUR - Toluene-d8	104	REC %				8260B		6/23/2020	CJR	1
SUR - 4-Bromofluorobenzene	132	REC %				8260B		6/23/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %				8260B		6/23/2020	CJR	1

Lab Code 538071AA
Sample ID 6143-TB
Sample Matrix Water
Sample Date 6/17/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		6/22/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		6/22/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		6/22/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/22/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		6/22/2020	CJR	1
SUR - Toluene-d8	105	REC %				8260B		6/22/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %				8260B		6/22/2020	CJR	1
SUR - 4-Bromofluorobenzene	128	REC %				8260B		6/22/2020	CJR	1
SUR - Dibromofluoromethane	115	REC %				8260B		6/22/2020	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.
- 3 The matrix spike not within established limits.
- 64 Spike recovery failed due to matrix interference.

CWT denotes sub contract lab - Certification #445126660

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.

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcabc.com

Sample Handling Request

Rush Analysis Date Required: _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. #

QUOTE #: 8242

Project #: 6143

Sampler: (signature) *B. J. [unclear]*

Project (Name / Location): *DHM - Oconomowoc*

Reports To: *W. Fassbender*

Company: *Enviroforensics, LLC*

Address:

City State Zip:

Phone: *262-290-4001*

Email: *wfassbender@enviroforensics.com*

Invoice To: *Accounts Payable*

Company: *Enviroforensics, LLC*

Address:

City State Zip:

Phone: *317-972-7870*

Email: *accounts.payable@enviroforensics.com*

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date	Time	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 524.2)	VOC (EPA 8260) (see note)	VOC AIR (TO - 15)	8-RCRA METALS	Nitrate	Dissolved Fe	Total Fe	Ethane, Ethane, Methane	PID/ FID	
50380+1A	6143-MW-1	6/16/20	1340	Y	8	GW	Var.																					
B	6143-MW-1D	6/16/20	1455	N	3	GW	HCl																					
C	6143-MW-2	6/16/20	1040	Y	8	GW	Var.																					
D	6143-MW-3	6/16/20	1555	Y	8	GW	Var.																					
E	6143-MW-4	6/16/20	1715	Y	8	GW	Var.																					
F	6143-MW-5	6/17/20	805	Y	8	GW	Var.																					
G	6143-MW-6	6/16/20	1453	N	3	GW	HCl																					
H	6143-MW-8	6/17/20	1027	N	3	GW	HCl																					
I	6143-MW-9	6/17/20	1149	N	3	GW	HCl																					
J	6143-MW-11	6/17/20	994	N	3	GW	HCl																					
K	6143-MW-12	6/16/20	1655	N	3	GW	HCl																					
L	6143-MW-13	6/17/20	1250	N	3	GW	HCl																					

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

PO # 2020-1661 Report PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride.

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *GR*

Temp. of Temp. Blank: _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *B. J. [unclear]*

Time

Date

Received By: (sign) *Gold Cross*

Time

Date

Time: *12:30* Date: *6/18/20*

Time: *12:30* Date: *6/18/20*

Time: *12:30* Date: *6/18/20*

Time: *8:00* Date: *6/19/20*

Time: *12:30* Date: *6/18/20*

Time: *12:30* Date: *6/18/20*

Received in Laboratory By: *[Signature]*

Time: *8:00*

Date: *6/19/20*

Time: *8:00*

Date: *6/19/20*

Date: *6/19/20*

Environmental Lab, Inc.

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Sample Handling Request

Rush Analysis Date Required: _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. #

QUOTE #: 8242

Project #: 6143

Sampler: (signature) *B. J. Ryan*

Project (Name / Location):

Reports To:

Company:

Address:

City State Zip:

Phone:

Email:

Invoice To:

Company:

Address:

City State Zip:

Phone:

Email:

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date	Time	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 524.2)	VOC (EPA 8260) (see note)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID	
503801M	6143-MW-14	6/16/20	1205	N*	8	GW	Var.																	
N	6143-MW-15	6/16/20	1330	N	3	GW	HCl																	
O	6143-MW-16	6/17/20	1310	N	3	GW	HCl																	
P	6143-MW-17	6/17/20	810	N	3	GW	HCl																	
Q	6143-MW-18	6/17/20	1155	N	3	GW	HCl																	
R	6143-MW-19	6/17/20	1020	N	3	GW	HCl																	
S	6143-MW-20	6/17/20	925	N	3	GW	HCl																	
T	6143-PZ-1	6/16/20	1545	N	3	GW	HCl																	
U	6143-PZ-2	6/16/20	1200	N	3	GW	HCl																	
V	6143-DUP-1	6/16/20	1200	N	3	GW	HCl																	
W	6143-DUP-2	6/17/20	1250	N	3	GW	HCl																	
X	6143-DUP-3	6/17/20	1200	N	3	GW	HCl																	

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

PO# 2020-1661

*For MW-14, please filter a portion of the subsate sample for dissolved Fe analysis, Report. PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride.

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *ice*

Temp. of Temp. Blank: _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *B. J. Ryan*

Time

Date

Received By: (sign) *Gold Cross*

Time

Date

1230 6/18/20

Gold Cross

1230

6/18/20

Received in Laboratory By: *[Signature]*

Time: 8:00

Date: 6/17/20



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Chain # No 40093

Page 3 of 3

Sample Handling Request

Rush Analysis Date Required: _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. #	QUOTE # :	Project #:	Sampler: (signature)	Project (Name / Location):	Reports To:	Invoice To:	Company	Address	City State Zip	Phone	Email	Collection Date	Time	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 524.2)	VOC (EPA 8260) (see note)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID	
5038014	8242	6143	B. J. [Signature]									6/17/20	1230	N	3		HCl																	
												6/17/20	1335		3		HCl																	
												6/17/20			1																			

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

PO# 2020-1661 Report PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride.

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

Relinquished By: (sign) [Signature] Time 1230 Date 6/18/20
 Received By: (sign) [Signature] Time 1230 Date 6/18/20

Received in Laboratory By: [Signature] Time: 8:00 Date: 6/18/20