Meridian Environmental Consulting, LLC

July 15, 2019

Matthew Vitale
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, Wisconsin 54701

Subject: **Progress Report:**

- **Install Monitoring Wells (MW-8B, 10A, 10B, 11A, 11B)**
- **Ground Water Sampling (May 2019)**

Julson Store (former)
W125 County Road Z
Mondovi, Wisconsin
PECFA No. 54755-9999-25
DNR BRRTS No. 03-06-001296
Meridian No. 05F823

Dear Matt:

This Progress Report describes recent work completed at this site:

- Install Monitoring Wells MW-8B, 10A, 10B, 11A, 11B (May 2019)
- Ground Water Sampling (May 22, 2019)

The results of this work indicate the ground water quality has improved dramatically due to the remedial excavation and subsequent natural attenuation. We recommend one more round of sampling to confirm the May 2019 results. Our goal is to submit this site for Closure with GIS Registry for Soil and Ground Water before PECFA ends next spring.

The remainder of this letter report documents the monitoring well installation and ground water sampling results.

BACKGROUND INFORMATION

Please refer to file reports for more detail regarding this site. A brief summary is provided here.

The site is a former country store located in Dover Township, Buffalo County, Wisconsin. The site is currently a vacant parcel approximately 1 acre in size located at the southeast corner of Hwy. BB and Z (Figures 1 and 2). The former building is removed and no other structures are located on the property.

In 1994, a small (300 gallon) underground storage tank was removed from the store. Petroleum impacts were measured in the soil underneath the tank.

Subsequent investigation identified petroleum-impacted soil and ground water. A remedial excavation (671.6 tons) was completed in August 2018 followed by ground water sampling in the fall of 2018. Two more underground storage tanks (500 gallon) were discovered and removed during the remedial excavation.

The ground water sampling events in the fall of 2018 indicated the downgradient extent of NR140 Enforcement Standards (ES) and Preventative Action Limits (PAL) were not defined. Additional monitoring wells were recommended to complete the definition of the ground water impacts above NR140 ES and PAL. This work is described below.

RECENT WORK

Install additional monitoring wells MW-8B, 10A, 10B, 11A, 11B

Five monitoring wells (MW-8B, -10A, -10B, -11A, -11B) were installed May 6 & 7, 2019 in the locations shown on Figure 2. The soil boring logs, well construction forms, and well development forms are provided in Appendix A.

The monitoring wells are 2-inch diameter PVC wells. Monitoring wells designated "A" are screened to intersect the water table and wells designated "B" are screened below the water table (i.e., piezometers).

The well elevations were surveyed.

Ground Water Monitoring

The monitoring well network was sampled May 22, 2019. The samples were analyzed for VOCs as well as dissolved Lead (field-filtered). The analytical report is provided in Appendix B and summarized in Table 1.

Natural attenuation parameters (dissolved oxygen, pH, temperature, conductivity, ORP) (Table 2) and the depth to ground water (Table 3) were measured in the field during ground water sampling.

The onsite private well ('PW') was also sampled. This well is an open pipe which appears to be cracked/broken about 3 feet down. This well should either be repaired or abandoned.

DATA EVALUATION

Site Hydrogeology

Figure 3 is a cross-section of the site geology. As described in previous reports, the site is underlain by 15 feet of silty, fine sand grading to a well-sorted fine-medium sand. Sandstone bedrock is expected at about 30 feet depth.

Ground water is found about 6 – 10 feet below grade (variable with topography). Ground water flow is northeasterly (Figure 4) based on the water level measurements from the monitoring wells. There is a downward vertical gradient measured in the monitoring well nests which may be caused by the surface topography. Ground water discharge is to the north into Elk Creek.

The wells were sampled during high water levels caused by heavy precipitation and snow melt this spring. Many of the water table wells had submerged screens (i.e., the water level was above the top of the screen). Additional measurements during drier months might produce a different ground water flow map. However, the general pattern should remain the same, i.e., ground water flow is northerly.

Extent of Impacted Soil

The bulk of the impacted soil has been excavated. Residual impacts (see earlier report) remain along the northern edge of the excavation at the water table ("smear zone"). These impacts likely extend beneath CTH Z within the footprint of the ground water plume.

A relatively high Lead concentration was measured from the western edge of the excavation. This area is within the road right-of-way (ROW) of CTH Z and can be addressed with GIS Notification to Buffalo County.

Extent of Impacted Ground Water

NR140 ES/PAL exceedances were measured only in MW-9 (in the remedial excavation area). Removal of the impacted source soils during the remedial excavation combined with natural attenuation (biodegradation, dilution) appears to have improved the ground water quality significantly.

The higher than average precipitation in April and May likely contributed to the low concentrations measured in the May 2019 sampling event. Subsequent sampling would be useful to confirm the May results. However, the results and our interpretation are not expected to differ significantly.

Vapor Intrusion

Vapor intrusion is not of concern at this site. There are no structures on or near the property which will be affected by off-gassing from the impacted soil and ground water. The volatile chemicals (e.g., benzene) are low concentration and vapors are not expected to exceed DNR Action Levels.

CONCLUSIONS AND RECOMMENDATONS

The remedial excavation successfully removed impacted soil from the former tank basin area. Residual petroleum impacts remain in the "smear zone" along the northern edge (adjacent to CTH Z). These impacts are within the footprint of the ground water contaminant plume and no further action is recommended with respect to soil impacts.

The extent of impacted ground water is defined with the current monitoring well network. An additional sampling event would be useful to confirm the May 2019 sampling results which were collected during the heavy precipitation this spring.

Assuming the next sampling event confirms the May 2019 results, the site should be submitted for Closure with GIS Registry for Soil and Ground Water.

A Change Order will be submitted in separate correspondence.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

c: Gary Gilbert – Project Engineer

TABLES

Table 1: Ground Water Analytical Data

Former Julson Store
Meridian No. 05F823

Sample	Lead (dissolved)	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	m&p-Xylene	o-Xylene	Xylene (Total)	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			ug/l	ug/l	ug/l	ug/l
NR140 ES	15	5	700	60	100	800			480			2000	NS	NS	NS
NR140 PAL	1.5	0.5	140	12	10	160			96			400	NS	NS	NS
T-1 (installed 6/12/17)															
* 6/15/2017	NA	**3380**	**3650**	<97	**819**	**4500**	3810	1120	**4930**	NR	NR	**12100**	NA	NA	NA
11/27/2017	well abandoned														
T-3 (installed 6/12/17)															
6/15/2017	NA	<.4	1.2	<.48	<.42	<.39	<.42	<.42	<.42	NR	NR	5	NA	NA	NA
11/27/2017	well abandoned														
T-4 (installed 6/12/17)															
6/15/2017	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	NR	NR	<1.2	NA	NA	NA
11/27/2017	well abandoned														
MW-1 (installed 11/27/17)															
12/3/2017	6.7J	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<1	<1	<.5	<1.5	<.14	<.5	<.5
3/20/2018	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<1	<1	<.5	<1.5	<.14	<.5	<.5
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-2 (installed 11/27/17)															
12/3/2017	*7.0J*	**154**	*522*	<4.4	**120J**	**2740**	557	158	**715**	1720	601	**2321**	29.6	32	90.3
3/20/2018	**17.2**	**917**	**1590**	<8.7	**270**	**13500**	1400	398	**1798**	**5800**	**2670**	**8470**	82.4	51.4	204
8/14/2018	well abandoned for remedial excavation														
MW-3 (installed 11/27/17)															
12/3/2017	<4.3	**256**	*457*	<8.7	**231J**	*383*	1020	288	**1308**	3990	40.5J	**4030.5**	40.9J	32.0J	80.4
3/20/2018	*6.6J*	<12.5	*157*	<4.4	<62.5	19.9J	322	87	*409*	523	<12.5	*523*	16.0J	<12.5	56
8/14/2018	well abandoned for remedial excavation														
MW-4 (installed 11/27/17)															
12/3/2017	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
3/20/2018	*8.5J*	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<1.82	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-5A (installed 11/28/17)															
12/3/2017	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
3/20/2018	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<1.82	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-5B (installed 11/28/17)															
12/3/2017	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
3/20/2018	<4.3	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	<.5	<1	<.14	<.5	<.5
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<1.82	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81

Table 1: Ground Water Analytical Data

Former Julson Store
Meridian No. 05F823

Sample	Lead (dissolved)	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	m&p-Xylene	o-Xylene	Xylene (Total)	Isopropylbenzene (Cumene)	n-Butylbenzene	n-Propylbenzene
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			ug/l	ug/l	ug/l	ug/l
NR140 ES	15	5	700	60	100	800			480			2000	NS	NS	NS
NR140 PAL	1.5	0.5	140	12	10	160			96			400	NS	NS	NS
MW-6 (installed 8/20/18)															
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<1.82	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-7 (installed 8/20/18)															
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	<6.4	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<1.82	NR	NR	<.97	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-8A (installed 8/20/18 - re-labled "A" when "8B" installed)															
9/12/2018	<5.9	*3.3*	7.8	<2.5	*12.3*	5.1J	68.9	5.1J	74	261	58.5	319.5	2.9J	<1.4	<1.6
12/10/2018	<6.4	**5.9**	10.1	<.32	*23.6*	2	79.6	2.8	82.4	NR	NR	247	NR	NR	NR
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-8B (installed)															
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-9 (installed 8/20/18)															
9/12/2018	<5.9	**49.5**	26.4	<1.2	5.6	18.9	38.3	11.6	49.9	131	67.1	<.73	1.7J	2.0J	4.1J
12/10/2018	<6.4	**17.1**	16.1	.86J	7.2	3.6	11.8	1.6	13.4	NR	NR	34.1	NR	NR	NR
5/22/2019	<6.4	**5.1**	2.2	<1.2	<1.2	3.4J	<.84	1.2J	1.2J	3.1	<.26	3.1	.74J	<.71	<.81
MW-10A (installed _)															
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-10B (installed _)															
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-11A (installed _)															
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
MW-11B (installed _)															
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81
Onsite Well (non-potable) (30 feet deep)															
6/15/2017	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	NR	NR	<1.2	NA	NA	NA
12/3/2017	NA	<.23	<.22	<.29	<.23	<.22	<.21	<.22	<.22	<.48	<.2	<.48	<.22	<.22	<.22
3/20/2018	<4.3	<.11	<.14	<.097	<.42	<.17	<.085	<.093	<.093	<.24	<.24	<.24	<.095	<.12	<.11
9/12/2018	<5.9	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.82	<.47	<.26	<.73	<.39	<.71	<.81
12/10/2018	could not locate (snowbank)														
5/22/2019	<6.4	<.25	<.22	<1.2	<1.2	<.17	<.84	<.87	<1.81	<.47	<.26	<.73	<.39	<.71	<.81

* - 3 inches free product measured in T-1 (June 15, 2017)
BOLD - Concentration exceeds NR140 ES (Enforcement Standard)
Italics - Concentration exceeds NR140 PAL

NA - Parameter Not Analyzed
NS - No Regulatory Standard
NR - Parameter Not Reported per Lab Method

Table 2: Ground Water RNA Field Measurements

Julson Store (Former)
Meridian No. 05F823

Well	Date	DO	pH	Temp	K	ORP
		ppm		Celcius	uS	
MW-1						
	12/3/2017	4	7.24	10.5	477	-18
	3/20/2018	1	7.93	7.5	501	-142
	9/12/2018	5	7.48	15.7	465	NM
	12/10/2018	3	7.31	7.2	488	131
	5/22/2019	6	8.03	9	386	-97
MW-2						
	12/3/2017	2	8.09	10.2	509	-30
	3/20/2018	<<1	7.87	6.4	482	-143
	Well abandoned during remedial excavation (August 2018)					
MW-3						
	12/3/2017	<1	7.42	10.5	838	-19
	3/20/2018	0	7.76	6.1	828	-148
	Well abandoned during remedial excavation (August 2018)					
MW-4						
	12/3/2017	2	7.38	10.4	894	-13
	3/20/2018	0	7.79	6.2	733	-155
	9/12/2018	1	7.3	17.7	497	-99
	12/10/2018	<<1	7.33	7.6	537	-155
	5/22/2019	4	7.69	8.7	418	-81
MW-5A						
	12/3/2017	3	7.38	10.8	824	-19
	3/20/2018	5	7.95	6.9	731	-134
	9/12/2018	3	7.26	19.1	722	-90
	12/10/2018	1	7.5	8.3	839	-128
	5/22/2019	6	7.56	9.6	715	-85
MW-5B						
	12/3/2017	4	7.84	10.1	263	-41
	3/20/2018	5	8.23	8.6	277	-147
	9/12/2018	6	7.76	14.7	248	-74
	12/10/2018	4	7.32	8.6	184	-130
	5/22/2019	6	7.99	10.7	176	-96

Well	Date	DO	pH	Temp	K	ORP
		ppm		Celcius	uS	
MW-6						
	9/12/2018	4	7.92	18.3	156.3	-93
	12/10/2018	4	7.31	5.8	138	-180
	5/22/2019	4	7.92	9.9	217	-80
MW-7						
	9/12/2018	5	7.5	19.9	500	-87
	12/10/2018	4	7.69	8.1	702	-138
	5/22/2019	5	7.65	10.4	562	-80
MW-8A	(designated 'A' when MW-8B installed in May 2019)					
	9/12/2018	1	7.49	18.4	668	NM
	12/10/2018	1	7.6	8.4	683	-152
	5/22/2019	4	7.83	12.4	526	-105
MW-8B						
	5/22/2019	4	8.11	12.1	345	-77
MW-9						
	9/12/2018	<1	8.16	20.9	520	-93
	12/10/2018	<<1	7.56	8.5	515	-146
	5/22/2019	4	7.66	11	458	-76
MW-10A						
	5/22/2019	4	7.7	11.5	604	-105
MW-10B						
	5/22/2019	2	7.98	12.4	399	-100
MW-11A						
	5/22/2019	2	8.14	11.8	635	-64
MW-11B						
	5/22/2019	2	7.97	15	436	-110

DO dissolved oxygen (measured in the field using Chemerics Colormetric Ampules)
K conductivity (pH, Temperature, conductivity measured with Oakton PCTS Tester)
ORP Oxygen Reduction Potential (measured with YSI ORP tester)

Table 3: Ground Water Level Measurements

Julson Store (former)
Meridian No. 05F823

T-1 (installed June 12, 2017 in GP-1)		
Surface Elevation		98
Top of Casing		100
Top of Screen		93
Bottom of Screen		83
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
6/15/2017*	8.9	91.1
Abandoned 11/27/17		

T-3 (installed June 12, 2017 in GP-3)		
Surface Elevation		98
Top of Casing		99.19
Top of Screen		92
Bottom of Screen		82
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
6/15/2017	7.53	91.66
Abandoned 11/27/17		

T-4 (installed June 12, 2017 in GP-4)		
Surface Elevation		102
Top of Casing		102.9
Top of Screen		96
Bottom of Screen		86
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
6/15/2017	10.02	92.88
Abandoned 11/27/17		

* Measured 3 inches free product

MW-1 (installed 11/27/17)		
Surface Elevation		900
Top of Casing		899.65
Top of Screen		895
Bottom of Screen		885
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	8.84	890.81
3/20/2018	8.7	890.95
Resurveyed 9/12/18		*899.65*
9/12/2018	8.22	891.43
12/10/2018	8.69	890.96
Resurveyed 5/21/19		*899.73*
5/22/2019	6.63	893.1

MW-2 (installed 11/27/17)		
Surface Elevation		898.5
Top of Casing		898.35
Top of Screen		893.5
Bottom of Screen		883.5
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	8.78	889.57
3/20/2018	8.67	889.68
Well abandoned during remedial excavation (August 2018)		

MW-3 (installed 11/27/17)		
Surface Elevation		898.25
Top of Casing		898.03
Top of Screen		893.25
Bottom of Screen		883.25
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	8.18	889.85
3/20/2018	8.07	889.96
Well abandoned during remedial excavation (August 2018)		

MW-4 (installed 11/27/17)		
Surface Elevation		896.5
Top of Casing		896.26
Top of Screen		891.5
Bottom of Screen		881.5
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	6.38	889.88
3/20/2018	6.25	890.01
Resurveyed 9/12/18		*896.23*
9/12/2018	5.71	890.52
12/10/2018	6.23	890
Resurveyed 5/21/19		*896.23*
5/22/2019	4.1	892.13

MW-5A (installed 11/28/17)		
Surface Elevation		898
Top of Casing		897.68
Top of Screen		892
Bottom of Screen		883
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	8.5	889.18
3/20/2018	8.48	889.2
Resurveyed 9/12/18		*897.72*
9/12/2018	7.13	890.59
12/10/2018	8.47	889.25
Resurveyed 5/21/19		*897.78*
5/22/2019	4.2	893.58

MW-5B (installed 11/28/17)		
Surface Elevation		898
Top of Casing		897.7
Top of Screen		873
Bottom of Screen		868
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
12/3/2017	9.22	888.48
3/20/2018	9.11	888.59
Resurveyed 9/12/18		*897.71*
9/12/2018	8.65	889.06
12/10/2018	9.07	888.64
Resurveyed 5/21/19		*897.76*
5/22/2019	6.98	890.78

Table 3: Ground Water Level Measurements

Julson Store (former)
Meridian No. 05F823

MW-6 (installed 8/20/18))		
Surface Elevation		899.25
Top of Casing		899.04
Top of Screen		894
Bottom of Screen		884
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
9/12/2018	6.5	892.54
12/10/2018	7.02	892.02
Resurveyed 5/21/19		*899.09*
5/22/2019	4.57	894.52

MW-7 (installed 8/20/18)		
Surface Elevation		890
Top of Casing		898.89
Top of Screen		883
Bottom of Screen		873
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
9/12/2018	9.58	889.31
12/10/2018	10.62	888.27
Resurveyed 5/21/19		*898.96*
5/22/2019	7.02	891.94

MW-8A (installed 8/20/18)		
Surface Elevation		897.5
Top of Casing		897.39
Top of Screen		892.5
Bottom of Screen		882.5
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
9/12/2018	7.58	889.81
12/10/2018	8.42	888.97
Resurveyed 5/21/19		*897.46*
5/22/2019	4.5	892.96

MW-8B (installed 5/6/19)		
Surface Elevation		898
Top of Casing		897.47
Top of Screen		873
Bottom of Screen		868
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
Resurveyed 5/21/19		*897.47*
5/22/2019	6.57	890.9

MW-9 (installed 8/20/18)		
Surface Elevation		898.25
Top of Casing		898.17
Top of Screen		893
Bottom of Screen		883
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
9/12/2018	6.98	891.19
12/10/2018	8.1	890.07
Resurveyed 5/21/19		*898.18*
5/22/2019	4.62	893.56

MW-10A (installed 5/6/19)		
Surface Elevation		897.5
Top of Casing		897.27
Top of Screen		892.5
Bottom of Screen		882.5
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
Surveyed 5/21/19		*897.27*
5/22/2019	6.27	891

MW-10B (installed 5/6/19)		
Surface Elevation		897.5
Top of Casing		897.25
Top of Screen		872.5
Bottom of Screen		867.5
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
Surveyed 5/21/19		*897.25*
5/22/2019	6.35	890.9

MW-11A (installed 5/7/19)		
Surface Elevation		893
Top of Casing		895.21
Top of Screen		888
Bottom of Screen		878
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
Surveyed 5/21/19		*895.21*
5/22/2019	5.4	889.81

MW-11B (installed 5/7/19)		
Surface Elevation		893
Top of Casing		895.26
Top of Screen		868
Bottom of Screen		863
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**
Surveyed 5/21/19		*895.26*
5/22/2019	5.8	889.46

FIGURES

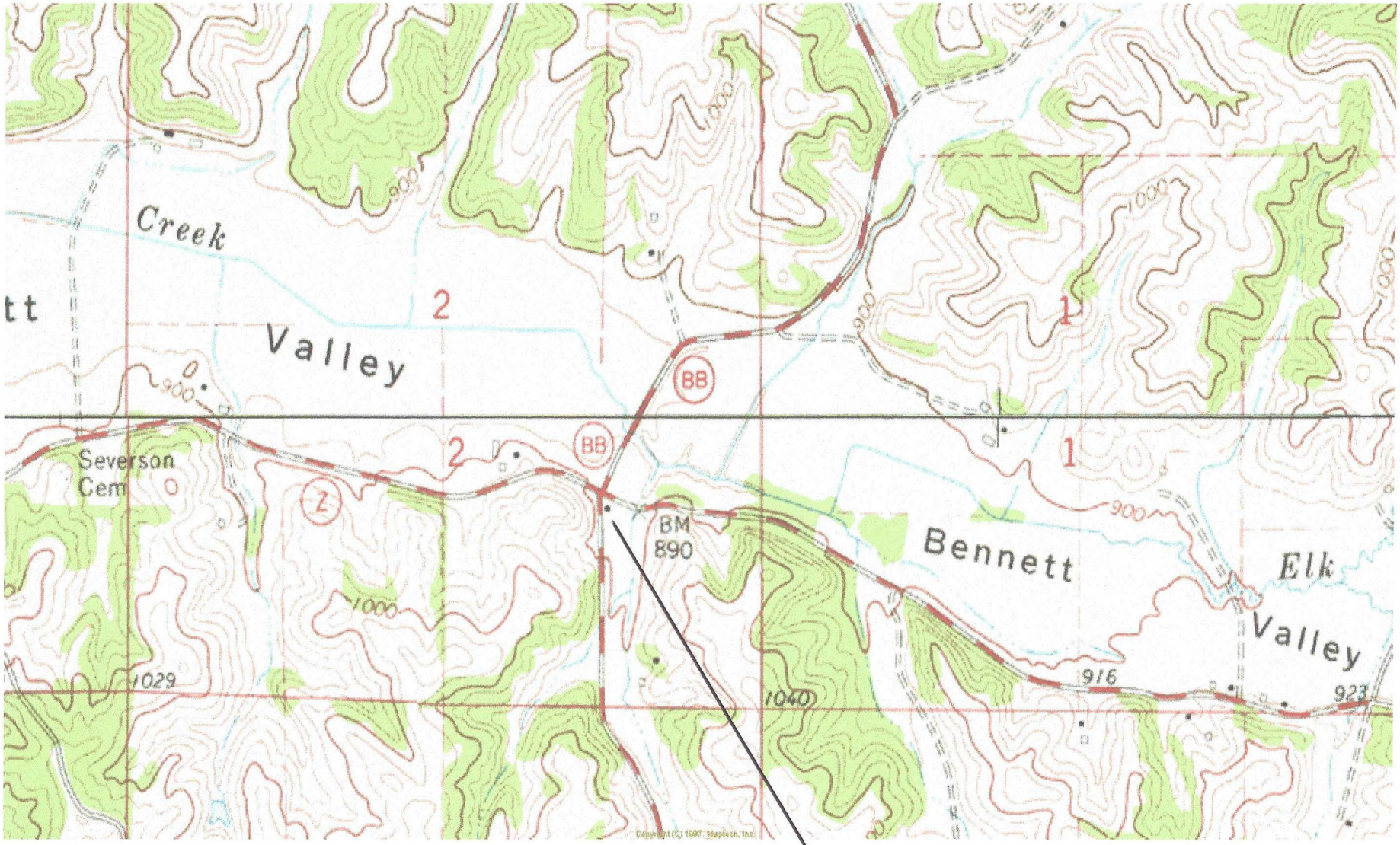
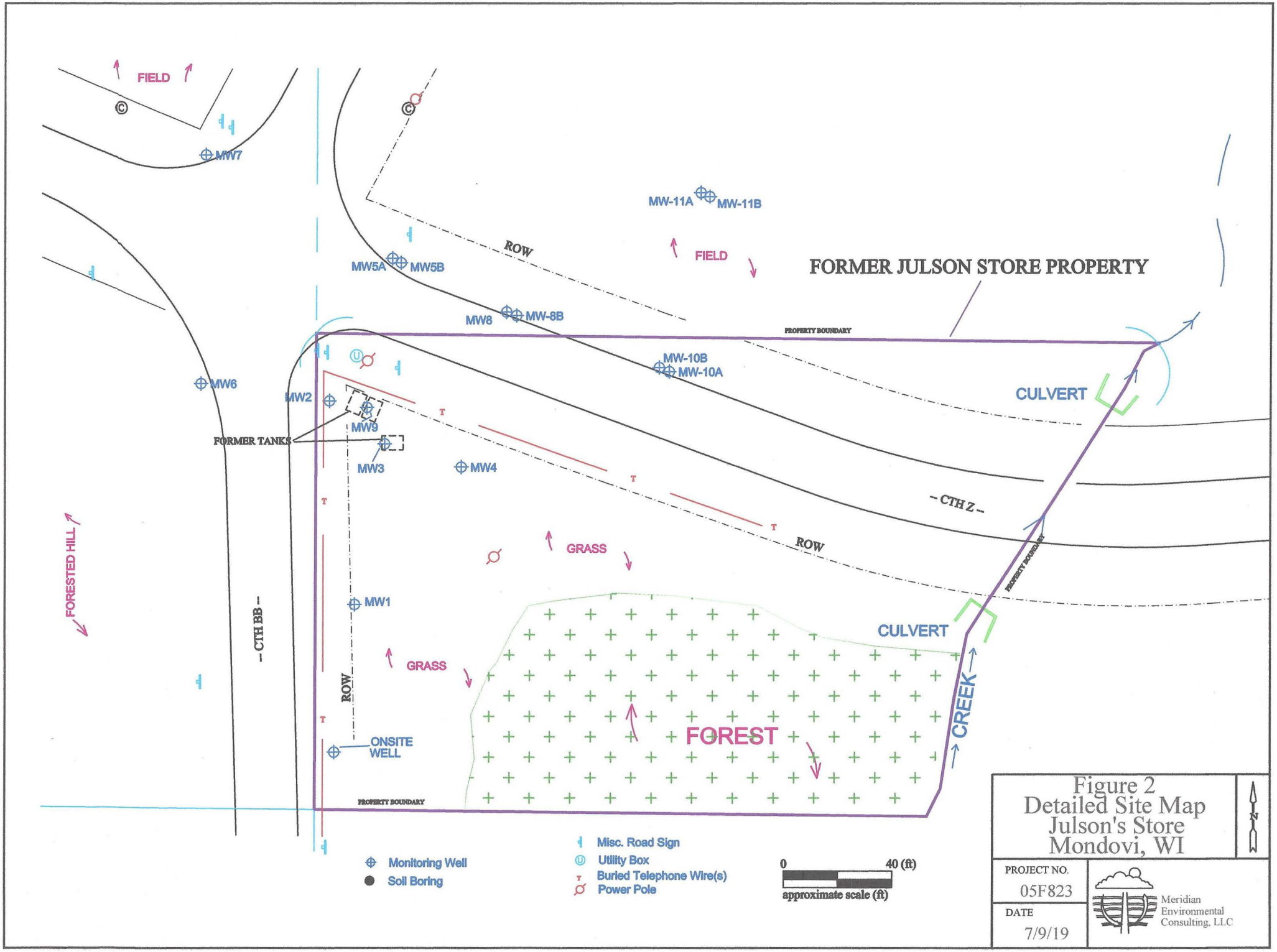


Figure 1: Site Topographic Map

Julson Store (former)/Meridian No. 05F823


FIELD
MW7
MW-11A
MW-11B
ROW
FIELD
FORMER JULSON STORE PROPERTY
MW5A
MW5B
MW8
MW-8B
PROPERTY BOUNDARY
MW-10B
MW-10A
MW6
MW2
MW9
CULVERT
FORMER TANKS
MW3
MW4
CTH Z
ROW
FORESTED HILL
GRASS
CTH BB
MW1
CULVERT
GRASS
ROW
CREEK
FOREST
ONSITE WELL
PROPERTY BOUNDARY
Monitoring Well
Soil Boring
Misc. Road Sign
Utility Box
Buried Telephone Wire(s)
Power Pole
0
40 (ft)
approximate scale (ft)
Figure 2
Detailed Site Map
Julson's Store
Mondovi, WI
N
PROJECT NO.
05F823
DATE
7/9/19
Meridian Environmental Consulting, LLC

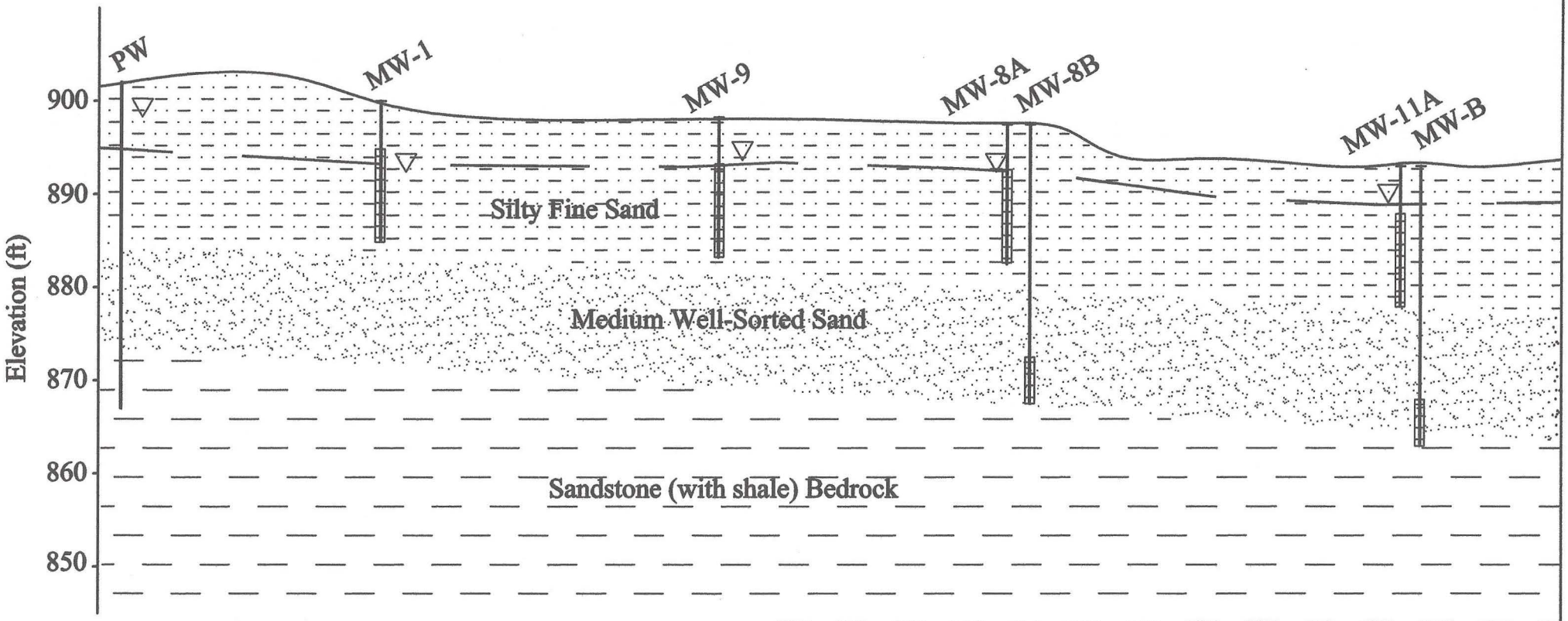
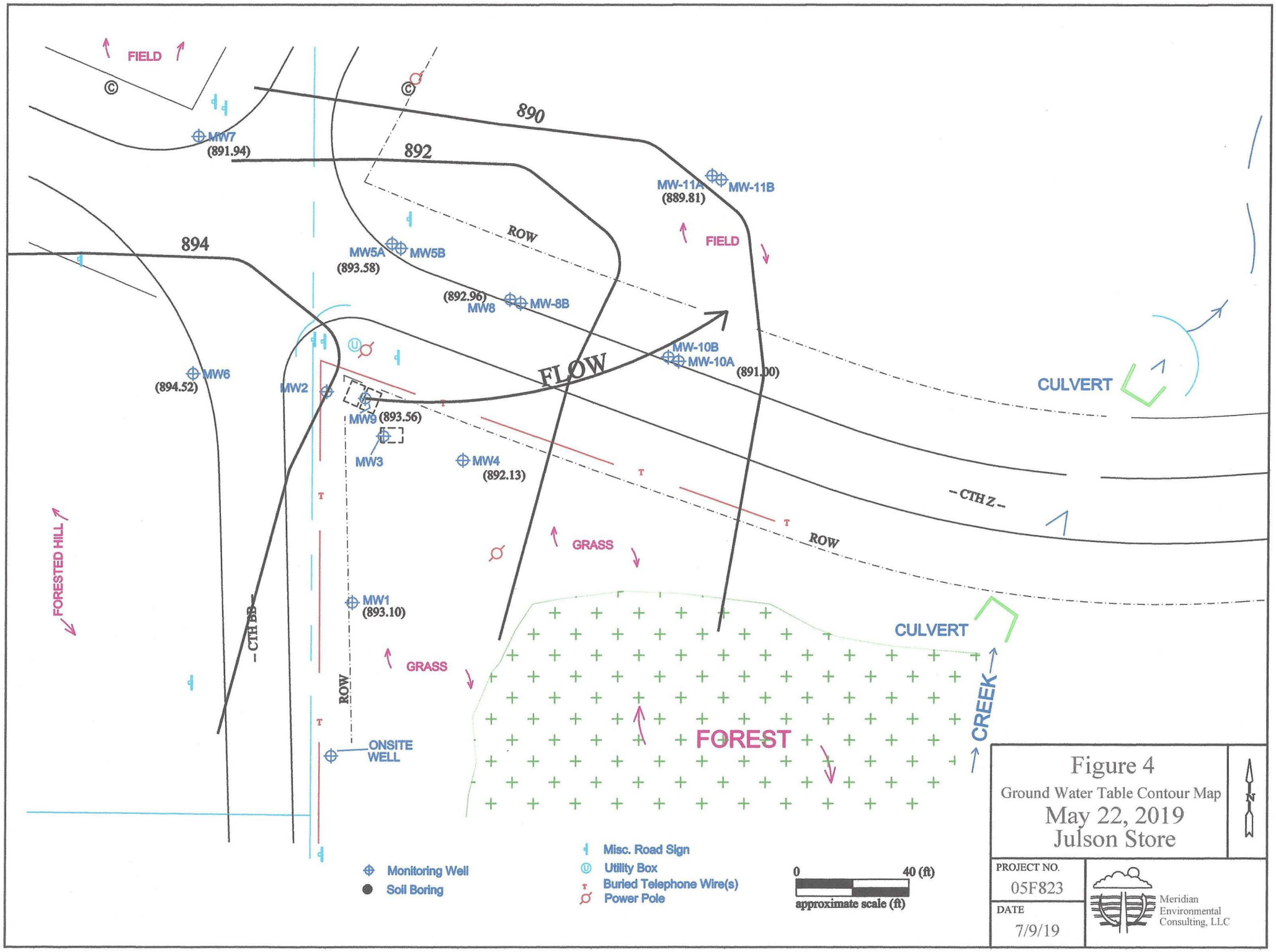


Figure 3
Cross-Section
Julson's Store
Mondovi, WI

PROJECT NO.	
05F823	Meridian Environmental Consulting, LLC
DATE	
7/10/19	


FIELD
890
892
894
MW7
(891.94)
MW-11A
(889.81)
MW-11B
ROW
FIELD
MW5A
MW5B
(893.58)
(892.96)
MW8
MW-8B
MW-10B
MW-10A
(891.00)
FLOW
CULVERT
MW6
(894.52)
MW2
MW9 (893.56)
MW3
MW4
(892.13)
CTH Z
ROW
GRASS
FORESTED HILL
CTH BB
MW1
(893.10)
GRASS
ROW
CULVERT
CREEK
FOREST
ONSITE
WELL
Monitoring Well
Soil Boring
Misc. Road Sign
Utility Box
Buried Telephone Wire(s)
Power Pole
0
40 (ft)
approximate scale (ft)
Figure 4
Ground Water Table Contour Map
May 22, 2019
Julson Store
N
PROJECT NO.
05F823
DATE
7/9/19
Meridian
Environmental
Consulting, LLC

APPENDIX A

Monitoring Well Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Judson Store (former)		MW-8B

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Joe Last Name: Black Firm: PSI	5/6/2019 (mm/dd/yyyy)	5/6/2019 (mm/dd/yyyy)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo	____	Town of Dover

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				gravel										
			1	gray-green F. sand moist. no odor						M				
			10	gray F. sand w/ silt. moist. Faint odor? ↓						W				
				brown F. sand. wet. no odor						W				
			20	brown M. sand. moist-wet weathered sandstone no odor						M/W				
			30	EOB = 30 ft.			2" PVC Well							

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

Signature _____ Firm Meridian Environmental Cs Hg, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Judson Store (former)	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-8B	
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.	DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed: 5/6/2019 (m m d d y y y y)	
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black / PSI	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 0 ft. MSL
B. Well casing, top elevation 0 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☑
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☑ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☑ 41 Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☑ 99

16. Drilling additives used? ☐ Yes ☑ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ft. MSL or 21 ft.
F. Fine sand, top ft. MSL or 21 ft.
G. Filter pack, top ft. MSL or 22 ft.
H. Screen joint, top ft. MSL or 25 ft.
I. Well bottom ft. MSL or 30 ft.
J. Filter pack, bottom ft. MSL or 30 ft.
K. Borehole, bottom ft. MSL or 30 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 2 in.

1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☑ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☑ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☑ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☑ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☑ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☑ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.1 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☑ 14 Other ☐ ____

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

Signature _____ Firm Meridian Environmental Consulting, 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Julson Store (former)	Buffalo	MW-8B

Facility License, Permit or Monitoring Number	County Code	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 30 min.

4. Depth of well (from top of well casisng) 30 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ~5 gal.

7. Volume of water removed from well 15 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	6.93 ft.	12.4 ft.
Date b.	5/9/2019 (m m d d y y y y)	5/9/2019 (m m d d y y y y)
Time c.	☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe) cloudy	Clear ☐ 20 Turbid ☐ 25 (Describe) cloudy
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Grp, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env. Grp, LLC
Street: 2711 N. Elco Rd
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Kenneth Shimko
Firm: Meridian Env. Grp, LLC

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Jielson Store (former)		MW-10A

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Joe Last Name: Black Firm: PSI	5/6/2019 (m m d d y y y y)	5/6/2019 (m m d d y y y y)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Town of Dover

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			5	earth fill			2" PVC							
			10											
			15	EOB = 15 ft.										

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

Signature _____ Firm Meridian Environmental Consulting, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Tulson Store (former)	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-10A
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 5/6/2019 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Blank / PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 0 ft. MSL
B. Well casing, top elevation 0 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☑
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☑ No

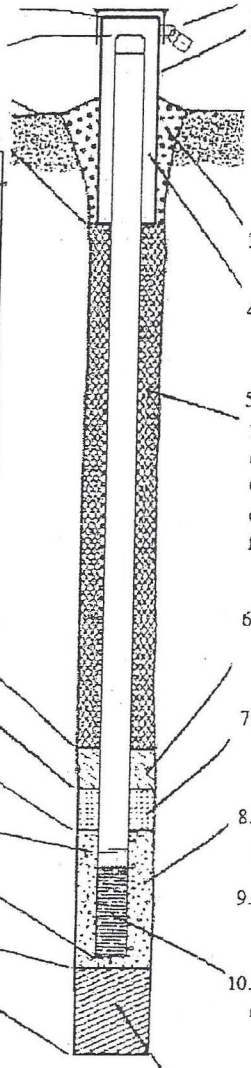
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☑ 41 Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☑ 99

16. Drilling additives used? ☐ Yes ☑ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top ____ ft. MSL or 3 ft.
F. Fine sand, top ____ ft. MSL or 3 ft.
G. Filter pack, top ____ ft. MSL or 3 ft.
H. Screen joint, top ____ ft. MSL or 5 ft.
I. Well bottom ____ ft. MSL or 15 ft.
J. Filter pack, bottom ____ ft. MSL or 15 ft.
K. Borehole, bottom ____ ft. MSL or 15 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 2 in.



1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 1 ft.
c. Material: Steel ☑ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☑ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☑ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☑ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☑ 14 Other ☐ ____

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

Signature: _____ Firm: Meridian Environmental Consulting, 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Julson Store (former)	Buffalo	MW-10A

Facility License, Permit or Monitoring Number	County Code	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 30 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ~2 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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.	6.58 ft.	8.3 ft.
Date b.	5/9/2019 (m m d d y y y y)	5/9/2019 (m m d d y y y y)
Time c.	: ☐ a.m. ☐ p.m.	: ☐ a.m. ☐ p.m.
12. Sediment in well bottom	. inches	. inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15	Clear ☐ 20 Turbid ☐ 25
(Describe)	cloudy	cloudy

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: Ken Last Name: Shimko
Firm: Meridian Env. Cons, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env. Cons, LLC
Street: 2711 N. Elco Rd
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kenneth Shimko
Firm: Meridian Env. Cons, LLC

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Julson Store (former)	License/Permit/Monitoring Number	Boring Number: MW-10B
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Blair — Firm: PSI	Date Drilling Started: 5/6/2019	Date Drilling Completed: 5/6/2019 — Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E — _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
Facility ID	County: Buffalo	County Code
Civil Town/City/ or Village: Town of Dover		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				gravel										
			1	black/gray F. sand. moist / no odor						M				
				gray clay. no odor						M				
			10	gray F. sand. well-sorted. no odor						wet				
				gray F. sand, brown F. sand at ~~tip~~ tip no odor			2" PVC			wet				
			20	competent sandstone w/ lime clasts. inerbedd greenish-tan. no odor						wet				
			30	EOB = 30 ft.										

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

Signature _____ Firm: Meridian Environmental Co Hg, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

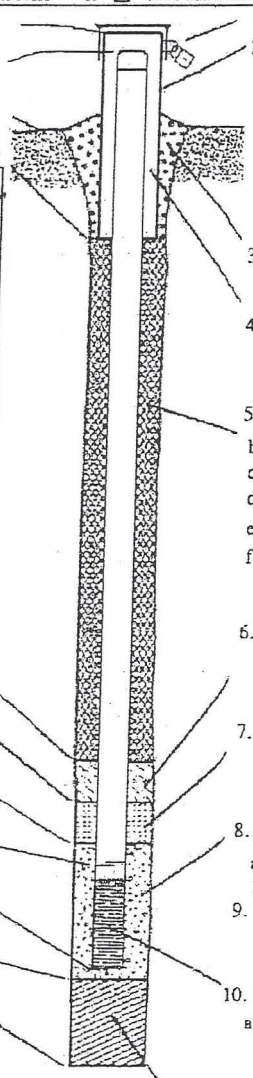
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Sulson Store (former)	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-10B
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No. _____ / DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed ___ m m / ___ d d / ___ y y y y
Type of Well Well Code ____ / ____	Section Location of Waste/Source ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Blaik / PSI
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number _____



A. Protective pipe, top elevation _____ 0 ft. MSL

B. Well casing, top elevation _____ 0 ft. MSL

C. Land surface elevation _____ 0 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _0_ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☑
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☑ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☑ 41 / Other ☐ ____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or _21_ ft.

F. Fine sand, top _____ ft. MSL or _21_ ft.

G. Filter pack, top _____ ft. MSL or _22_ ft.

H. Screen joint, top _____ ft. MSL or _25_ ft.

I. Well bottom _____ ft. MSL or _30_ ft.

J. Filter pack, bottom _____ ft. MSL or _30_ ft.

K. Borehole, bottom _____ ft. MSL or _30_ ft.

L. Borehole, diameter _8_ in.

M. O.D. well casing _2_ in.

N. I.D. well casing _2_ in.

1. Cap and lock? ☑ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: _8_ in.
b. Length: _1_ ft.
c. Material: Steel ☑ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☑ 01 / Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☑ 30 / Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☑ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☑ 02 / Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☑ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 / Continuous slot ☐ 01 / Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): None ☑ 14 / Other ☐ ____

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

Signature _____ Firm: Meridian Environmental Consulting, 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Julson Store (former)	Buffalo	MW-10B

Facility License, Permit or Monitoring Number	County Code	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 30 min.

4. Depth of well (from top of well casisng) 30. ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 15 gal.

7. Volume of water removed from well 15 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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. 6.70 ft.	7.70 ft.
Date	b. 5/9/2019 (m m d d y y y y)	5/9/2019
Time	c. : ☐ a.m. ☐ p.m.	: ☐ a.m. ☐ p.m.
12. Sediment in well bottom	. inches	. inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe) cloudy	Clear ☐ 20 Turbid ☐ 25 (Describe) cloudy

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: Ken Last Name: Shimko
Firm: Meridian Env. Grp, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env. Grp, LLC
Street: 2711 N. Elco Rd
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kenneth Shimko
Firm: Meridian Env. Grp, LLC

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Judson Store (former)		MW-11A

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Joe Last Name: Black Firm: PSI	5/7/2019 (m m / d d / y y y y)	5/7/2019 (m m / d d / y y y y)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Town of Dover

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			5	earth drill			2" PVC							
			10											
			15	EOB = 15 ft.										

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

Signature _____ Firm Meridian Environmental Consulting, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Judson Store (former)	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: 11A
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. _ _ _ _ _ _ _	DNR Well ID No. _ _ _ _
Facility ID _ _ _ _ _ _ _ _ _	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: _ _ / _ _ / _ _ _ _ (m m d d y y y y)
Type of Well: Well Code _____ / _____	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Blank / PSI
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 0 ft. MSL

B. Well casing, top elevation 0 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☑
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☑ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☑ 41 Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 3 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 3 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 15 ft.

J. Filter pack, bottom _____ ft. MSL or 15 ft.

K. Borehole, bottom _____ ft. MSL or 15 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☑ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☑ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☑ 30 Concrete ☐ 01 Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☑ 30 Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☑ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☑ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.1 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☑ 14 Other ☐ _____

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

Signature _____ Firm Meridian Environmental Consulting, 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Julson Store (former)	Buffalo	MW-11A

Facility License, Permit or Monitoring Number	County Code	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 30 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2. in.

6. Volume of water in filter pack and well casing ~12 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	5.72 ft.	13.3 ft.
Date b. (m m d d y y y y)	5/9/2019	5/9/2019
Time c.	☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☑ 10 Turbid ☐ 15	Clear ☐ 20 Turbid ☐ 25
(Describe)		cloudy

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: Ken Last Name: Shimko
Firm: Meridian Env. Grp, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env. Grp, LLC
Street: 2711 N. Elco Rd
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kenneth Shimko
Firm: Meridian Env. Grp, LLC

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Julson Store (former)	License/Permit/Monitoring Number	Boring Number: MW-113
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black — Firm: PSI	Date Drilling Started: 5/7/2019	Date Drilling Completed: 5/7/2019 — Drilling Method: HSA
WI Unique Well No. _____	DNR Well ID No. _____	Well Name _____
Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " — Long ° ' "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____		
Facility ID	County: Buffalo	County Code _____ — Civil Town/City/ or Village: Town of Dover

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				black topsoil										
			1	brown silty clay no odor						m				
			10	gray clayey silt.						wet				
				dark gray silty F. sand			2" PVC			wet				
				greenish gray F. sand						wet				
			20	greenish gray F. sand						wet				
				hard drilling @ 24-30 ft.										
			30	EOB = 30 ft.										

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

Signature _____ Firm: Meridian Environmental Co Hg, LLC

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State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Judson Store (former)	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW-11B
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ____ ft. N. ____ ft. E. S/C/N	Date Well Installed: 5/7/2019 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Blank / PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 0 ft. MSL
B. Well casing, top elevation 0 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☑
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☑ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☑ 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☑ 99

16. Drilling additives used? ☐ Yes ☑ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ____ ft. MSL or 22 ft.
F. Fine sand, top ____ ft. MSL or 22 ft.
G. Filter pack, top ____ ft. MSL or 22 ft.
H. Screen joint, top ____ ft. MSL or 25 ft.
I. Well bottom ____ ft. MSL or 30 ft.
J. Filter pack, bottom ____ ft. MSL or 30 ft.
K. Borehole, bottom ____ ft. MSL or 30 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 2 in.

1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☑ 04 / Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____
3. Surface seal: Bentonite ☑ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☑ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☑ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☑ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer ____
c. Slot size: 0.01 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☑ 14 / Other ☐

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

Signature: [signature] Firm: Meridian Environmental Consulting, 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Julson Store (former)	Buffalo	MW-11B

Facility License, Permit or Monitoring Number	County Code	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 30 min.

4. Depth of well (from top of well casisng) 30. ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 15. gal.

7. Volume of water removed from well 15. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.08 ft.	6.35 ft.
Date	b. 5/9/2019 (m m d d y y y y)	5/9/2019
Time	c. ☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☑ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe) cloudy
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Grp, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env. Grp, LLC
Street: 2711 N. Elco Rd
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Kenneth Shimko
Firm: Meridian Env. Grp, LLC

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

APPENDIX B

Laboratory Analytical Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 03, 2019

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: JULSON STORE
Pace Project No.: 40188167

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on May 23, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: JULSON STORE
Pace Project No.: 40188167

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: JULSON STORE
Pace Project No.: 40188167

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40188167001	**MW-1**	Water	05/22/19 00:00	05/23/19 08:50
40188167002	**MW-4**	Water	05/22/19 00:00	05/23/19 08:50
40188167003	**MW-5A**	Water	05/22/19 00:00	05/23/19 08:50
40188167004	**MW-5B**	Water	05/22/19 00:00	05/23/19 08:50
40188167005	**MW-6**	Water	05/22/19 00:00	05/23/19 08:50
40188167006	**MW-7**	Water	05/22/19 00:00	05/23/19 08:50
40188167007	**MW-8A**	Water	05/22/19 00:00	05/23/19 08:50
40188167008	**MW-8B**	Water	05/22/19 00:00	05/23/19 08:50
40188167009	**MW-9**	Water	05/22/19 00:00	05/23/19 08:50
40188167010	**MW-10A**	Water	05/22/19 00:00	05/23/19 08:50
40188167011	**MW-10B**	Water	05/22/19 00:00	05/23/19 08:50
40188167012	**MW-11A**	Water	05/22/19 00:00	05/23/19 08:50
40188167013	**MW-11B**	Water	05/22/19 00:00	05/23/19 08:50
40188167014	**PW**	Water	05/22/19 00:00	05/23/19 08:50
40188167015	**TRIP BLANK**	Water	05/22/19 00:00	05/23/19 08:50

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SAMPLE ANALYTE COUNT

Project: JULSON STORE
Pace Project No.: 40188167

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40188167001	**MW-1**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167002	**MW-4**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167003	**MW-5A**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167004	**MW-5B**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167005	**MW-6**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167006	**MW-7**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167007	**MW-8A**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167008	**MW-8B**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167009	**MW-9**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167010	**MW-10A**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167011	**MW-10B**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167012	**MW-11A**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167013	**MW-11B**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167014	**PW**	EPA 6010	TXW	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40188167015	**TRIP BLANK**	EPA 8260	SMT	64	PASI-G

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PROJECT NARRATIVE

Project: JULSON STORE
Pace Project No.: 40188167

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: Meridian Environmental Consulting, LLC
Date: June 03, 2019

General Information:
14 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JULSON STORE
Pace Project No.: 40188167

Method: **EPA 8260**
Description: 8260 MSV
Client: Meridian Environmental Consulting, LLC
Date: June 03, 2019

General Information:
15 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-1 **Lab ID: 40188167001** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:35	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:03	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:03	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 14:03	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:03	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:03	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 14:03	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 14:03	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 14:03	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 14:03	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 14:03	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 14:03	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:03	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:03	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:03	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:03	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 14:03	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 14:03	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:03	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:03	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 14:03	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 14:03	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 14:03	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 14:03	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:03	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 14:03	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 14:03	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 14:03	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 14:03	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:03	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:03	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:03	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:03	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 14:03	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 14:03	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:03	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 14:03	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 14:03	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 14:03	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:03	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 14:03	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 14:03	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 14:03	75-09-2	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-1 **Lab ID: 40188167001** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:03	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 14:03	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 14:03	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 14:03	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:03	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 14:03	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:03	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:03	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 14:03	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 14:03	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:03	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 14:03	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:03	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 14:03	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 14:03	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 14:03	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 14:03	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 14:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/28/19 14:03	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/28/19 14:03	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/28/19 14:03	2037-26-5	

Sample: MW-4 **Lab ID: 40188167002** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:42	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:28	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:28	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 14:28	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:28	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:28	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 14:28	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 14:28	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 14:28	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 14:28	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 14:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 14:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:28	106-93-4	

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(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-4 **Lab ID: 40188167002** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:28	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:28	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:28	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 14:28	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 14:28	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:28	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:28	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 14:28	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 14:28	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 14:28	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 14:28	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:28	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 14:28	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 14:28	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 14:28	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 14:28	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:28	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:28	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:28	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 14:28	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 14:28	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:28	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 14:28	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 14:28	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 14:28	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 14:28	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 14:28	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 14:28	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:28	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 14:28	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 14:28	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 14:28	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:28	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 14:28	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:28	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:28	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 14:28	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 14:28	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:28	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 14:28	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:28	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 14:28	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 14:28	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 14:28	98-06-6	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-4 **Lab ID: 40188167002** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 14:28	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 14:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/28/19 14:28	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/28/19 14:28	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/28/19 14:28	2037-26-5	

Sample: MW-5A **Lab ID: 40188167003** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:45	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:51	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:51	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:51	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 14:51	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:51	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:51	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 14:51	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 14:51	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 14:51	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 14:51	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 14:51	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 14:51	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:51	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:51	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:51	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 14:51	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 14:51	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 14:51	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 14:51	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:51	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 14:51	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 14:51	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 14:51	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 14:51	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 14:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 14:51	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 14:51	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 14:51	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 14:51	74-83-9	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-5A **Lab ID: 40188167003** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:51	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:51	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 14:51	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 14:51	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 14:51	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 14:51	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 14:51	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 14:51	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 14:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 14:51	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 14:51	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 14:51	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 14:51	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 14:51	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 14:51	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 14:51	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:51	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 14:51	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 14:51	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 14:51	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 14:51	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 14:51	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 14:51	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 14:51	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 14:51	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 14:51	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 14:51	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 14:51	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 14:51	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 14:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/28/19 14:51	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/28/19 14:51	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/28/19 14:51	2037-26-5	

Sample: MW-5B **Lab ID: 40188167004** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:47	7439-92-1	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-5B **Lab ID: 40188167004** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 09:50	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 09:50	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 09:50	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 09:50	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 09:50	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 09:50	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 09:50	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 09:50	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 09:50	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 09:50	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 09:50	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 09:50	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 09:50	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 09:50	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 09:50	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 09:50	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 09:50	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 09:50	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 09:50	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 09:50	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 09:50	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 09:50	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 09:50	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 09:50	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 09:50	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 09:50	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 09:50	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 09:50	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 09:50	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 09:50	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 09:50	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 09:50	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 09:50	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 09:50	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 09:50	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 09:50	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 09:50	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 09:50	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 09:50	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 09:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 09:50	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 09:50	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 09:50	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 09:50	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 09:50	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 09:50	127-18-4	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-5B **Lab ID: 40188167004** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 09:50	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 09:50	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 09:50	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 09:50	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 09:50	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 09:50	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 09:50	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 09:50	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 09:50	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 09:50	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 09:50	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 09:50	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 09:50	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 09:50	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 09:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/28/19 09:50	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/28/19 09:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/28/19 09:50	2037-26-5	

Sample: MW-6 **Lab ID: 40188167005** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:55	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 15:14	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 15:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 15:14	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 15:14	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 15:14	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 15:14	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 15:14	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 15:14	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 15:14	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 15:14	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 15:14	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 15:14	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 15:14	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 15:14	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 15:14	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 15:14	78-87-5	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-6 **Lab ID: 40188167005** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 15:14	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 15:14	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 15:14	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 15:14	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 15:14	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 15:14	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 15:14	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 15:14	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 15:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 15:14	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 15:14	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 15:14	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 15:14	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 15:14	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 15:14	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 15:14	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 15:14	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 15:14	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 15:14	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 15:14	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 15:14	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 15:14	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 15:14	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 15:14	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 15:14	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 15:14	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 15:14	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 15:14	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 15:14	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 15:14	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 15:14	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 15:14	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 15:14	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 15:14	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 15:14	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 15:14	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 15:14	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 15:14	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 15:14	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 15:14	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 15:14	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 15:14	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 15:14	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 15:14	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 15:14	10061-02-6	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-6 **Lab ID: 40188167005** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		05/28/19 15:14	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/28/19 15:14	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/28/19 15:14	2037-26-5	

Sample: MW-7 **Lab ID: 40188167006** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 20:58	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 16:54	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 16:54	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 16:54	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 16:54	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 16:54	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 16:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 16:54	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 16:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 16:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 16:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 16:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 16:54	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 16:54	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 16:54	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 16:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 16:54	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 16:54	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 16:54	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 16:54	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 16:54	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 16:54	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 16:54	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 16:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 16:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 16:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 16:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 16:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 16:54	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 16:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 16:54	108-90-7	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-7 **Lab ID: 40188167006** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 16:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 16:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 16:54	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 16:54	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 16:54	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 16:54	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 16:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 16:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 16:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 16:54	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 16:54	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 16:54	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 16:54	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 16:54	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 16:54	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 16:54	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 16:54	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 16:54	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 16:54	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 16:54	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 16:54	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 16:54	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 16:54	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 16:54	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 16:54	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 16:54	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 16:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 16:54	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 16:54	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 16:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/28/19 16:54	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/28/19 16:54	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/28/19 16:54	2037-26-5	

Sample: MW-8A **Lab ID: 40188167007** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:00	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 10:59	630-20-6	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-8A **Lab ID: 40188167007** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 10:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 10:59	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 10:59	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 10:59	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 10:59	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 10:59	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 10:59	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 10:59	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 10:59	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 10:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 10:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 10:59	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 10:59	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 10:59	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 10:59	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 10:59	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 10:59	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 10:59	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 10:59	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 10:59	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 10:59	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 10:59	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 10:59	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 10:59	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 10:59	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 10:59	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 10:59	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 10:59	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 10:59	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 10:59	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 10:59	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 10:59	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 10:59	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 10:59	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 10:59	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 10:59	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 10:59	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 10:59	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 10:59	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 10:59	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 10:59	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 10:59	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 10:59	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 10:59	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 10:59	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 10:59	108-88-3	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-8A **Lab ID: 40188167007** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 10:59	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 10:59	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 10:59	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 10:59	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 10:59	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 10:59	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 10:59	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 10:59	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 10:59	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 10:59	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 10:59	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 10:59	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 10:59	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 10:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/28/19 10:59	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/28/19 10:59	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/28/19 10:59	2037-26-5	

Sample: MW-8B **Lab ID: 40188167008** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:03	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:22	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:22	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 11:22	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:22	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:22	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 11:22	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 11:22	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 11:22	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 11:22	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 11:22	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 11:22	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 11:22	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:22	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:22	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:22	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 11:22	108-67-8	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-8B **Lab ID: 40188167008** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 11:22	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 11:22	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 11:22	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 11:22	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 11:22	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 11:22	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 11:22	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:22	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 11:22	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 11:22	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 11:22	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 11:22	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 11:22	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:22	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 11:22	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 11:22	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 11:22	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 11:22	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 11:22	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 11:22	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 11:22	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 11:22	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 11:22	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 11:22	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 11:22	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 11:22	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 11:22	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 11:22	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 11:22	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 11:22	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 11:22	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 11:22	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 11:22	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:22	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 11:22	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 11:22	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:22	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 11:22	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 11:22	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 11:22	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 11:22	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 11:22	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 11:22	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 11:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/28/19 11:22	460-00-4	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-8B **Lab ID: 40188167008** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1		05/28/19 11:22	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/28/19 11:22	2037-26-5	

Sample: MW-9 **Lab ID: 40188167009** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:05	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:40	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:40	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:40	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 13:40	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:40	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:40	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 13:40	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 13:40	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 13:40	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 13:40	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 13:40	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 13:40	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 13:40	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:40	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:40	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:40	78-87-5	
1,3,5-Trimethylbenzene	**1.2J**	ug/L	2.9	0.87	1		05/28/19 13:40	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 13:40	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 13:40	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 13:40	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 13:40	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 13:40	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 13:40	106-43-4	
Benzene	**5.1**	ug/L	1.0	0.25	1		05/28/19 13:40	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:40	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 13:40	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 13:40	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 13:40	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 13:40	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 13:40	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:40	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 13:40	75-00-3	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-9 **Lab ID: 40188167009** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 13:40	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 13:40	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 13:40	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 13:40	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 13:40	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 13:40	108-20-3	
Ethylbenzene	**2.2**	ug/L	1.0	0.22	1		05/28/19 13:40	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 13:40	87-68-3	
Isopropylbenzene (Cumene)	**0.74J**	ug/L	5.0	0.39	1		05/28/19 13:40	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 13:40	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 13:40	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 13:40	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 13:40	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 13:40	127-18-4	
Toluene	**3.4J**	ug/L	5.0	0.17	1		05/28/19 13:40	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 13:40	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 13:40	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 13:40	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:40	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 13:40	10061-01-5	
m&p-Xylene	**3.1**	ug/L	2.0	0.47	1		05/28/19 13:40	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:40	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 13:40	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 13:40	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 13:40	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 13:40	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 13:40	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 13:40	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 13:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/28/19 13:40	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/28/19 13:40	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/28/19 13:40	2037-26-5	

Sample: MW-10A **Lab ID: 40188167010** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:08	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:54	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:54	71-55-6	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-10A **Lab ID: 40188167010** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:54	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 12:54	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:54	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:54	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 12:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 12:54	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 12:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 12:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 12:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 12:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:54	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:54	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:54	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 12:54	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 12:54	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:54	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:54	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 12:54	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 12:54	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 12:54	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 12:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 12:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 12:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 12:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 12:54	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:54	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 12:54	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 12:54	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:54	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 12:54	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 12:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 12:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 12:54	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 12:54	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 12:54	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:54	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 12:54	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 12:54	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 12:54	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:54	79-01-6	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-10A **Lab ID: 40188167010** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 12:54	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:54	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:54	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 12:54	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 12:54	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:54	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 12:54	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:54	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 12:54	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 12:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 12:54	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 12:54	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 12:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/28/19 12:54	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/28/19 12:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/28/19 12:54	2037-26-5	

Sample: MW-10B **Lab ID: 40188167011** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:10	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:31	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:31	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:31	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 12:31	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:31	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:31	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 12:31	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 12:31	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 12:31	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 12:31	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 12:31	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 12:31	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:31	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:31	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:31	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:31	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 12:31	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 12:31	541-73-1	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-10B **Lab ID: 40188167011** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:31	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:31	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 12:31	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 12:31	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 12:31	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 12:31	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 12:31	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 12:31	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 12:31	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 12:31	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:31	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:31	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:31	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:31	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 12:31	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 12:31	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:31	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 12:31	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 12:31	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 12:31	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 12:31	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 12:31	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 12:31	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:31	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 12:31	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 12:31	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 12:31	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:31	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 12:31	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:31	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:31	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 12:31	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 12:31	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:31	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 12:31	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:31	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 12:31	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 12:31	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 12:31	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 12:31	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 12:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/28/19 12:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/28/19 12:31	1868-53-7	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-10B **Lab ID: 40188167011** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	93	%	70-130		1		05/28/19 12:31	2037-26-5	

Sample: MW-11A **Lab ID: 40188167012** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:13	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:45	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:45	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 11:45	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:45	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:45	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 11:45	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 11:45	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 11:45	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 11:45	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 11:45	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 11:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 11:45	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:45	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:45	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 11:45	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 11:45	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 11:45	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 11:45	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 11:45	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 11:45	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 11:45	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 11:45	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 11:45	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 11:45	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 11:45	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 11:45	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 11:45	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 11:45	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 11:45	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:45	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 11:45	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 11:45	67-66-3	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-11A **Lab ID: 40188167012** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 11:45	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 11:45	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 11:45	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 11:45	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 11:45	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 11:45	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 11:45	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 11:45	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 11:45	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 11:45	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 11:45	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 11:45	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 11:45	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 11:45	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 11:45	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 11:45	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 11:45	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 11:45	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 11:45	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 11:45	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 11:45	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 11:45	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 11:45	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 11:45	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 11:45	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 11:45	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 11:45	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 11:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/28/19 11:45	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/28/19 11:45	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/28/19 11:45	2037-26-5	

Sample: MW-11B **Lab ID: 40188167013** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:15	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:08	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:08	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:08	79-34-5	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-11B **Lab ID: 40188167013** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 12:08	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:08	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:08	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 12:08	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 12:08	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 12:08	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 12:08	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 12:08	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 12:08	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:08	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:08	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:08	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 12:08	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 12:08	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 12:08	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 12:08	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:08	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 12:08	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 12:08	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 12:08	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 12:08	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 12:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 12:08	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 12:08	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 12:08	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 12:08	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:08	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:08	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:08	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 12:08	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 12:08	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 12:08	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 12:08	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 12:08	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 12:08	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 12:08	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:08	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 12:08	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 12:08	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 12:08	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 12:08	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 12:08	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 12:08	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 12:08	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:08	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 12:08	75-69-4	

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: MW-11B **Lab ID: 40188167013** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 12:08	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 12:08	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 12:08	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 12:08	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 12:08	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 12:08	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 12:08	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 12:08	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 12:08	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 12:08	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 12:08	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 12:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/28/19 12:08	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/28/19 12:08	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/28/19 12:08	2037-26-5	

Sample: PW **Lab ID: 40188167014** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		05/24/19 21:18	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/28/19 13:17	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:17	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/28/19 13:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/28/19 13:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/28/19 13:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/28/19 13:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/28/19 13:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/28/19 13:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/28/19 13:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/28/19 13:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/28/19 13:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/28/19 13:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/28/19 13:17	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: PW **Lab ID: 40188167014** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/28/19 13:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/28/19 13:17	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/28/19 13:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/28/19 13:17	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/28/19 13:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/28/19 13:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/28/19 13:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/28/19 13:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/28/19 13:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/28/19 13:17	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 13:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/28/19 13:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/28/19 13:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/28/19 13:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/28/19 13:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/28/19 13:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/28/19 13:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/28/19 13:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/28/19 13:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 13:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/28/19 13:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/28/19 13:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/28/19 13:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/28/19 13:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/28/19 13:17	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/28/19 13:17	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/28/19 13:17	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 13:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/28/19 13:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/19 13:17	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/28/19 13:17	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/28/19 13:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/28/19 13:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/28/19 13:17	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/28/19 13:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/28/19 13:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/28/19 13:17	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/28/19 13:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/28/19 13:17	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/28/19 13:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/28/19 13:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/28/19 13:17	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/28/19 13:17	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/28/19 13:17	2037-26-5	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: TRIP BLANK **Lab ID: 40188167015** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/29/19 17:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/29/19 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/29/19 17:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/29/19 17:17	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/29/19 17:17	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/29/19 17:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/29/19 17:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/29/19 17:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/29/19 17:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/29/19 17:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/29/19 17:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/29/19 17:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/29/19 17:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/29/19 17:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/29/19 17:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/29/19 17:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/29/19 17:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/29/19 17:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/29/19 17:17	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/29/19 17:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/29/19 17:17	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/29/19 17:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/29/19 17:17	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/29/19 17:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/29/19 17:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/29/19 17:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/29/19 17:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/29/19 17:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/29/19 17:17	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/29/19 17:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/29/19 17:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/29/19 17:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/29/19 17:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/29/19 17:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/29/19 17:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/29/19 17:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/29/19 17:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/29/19 17:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/29/19 17:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/29/19 17:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/29/19 17:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/29/19 17:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/29/19 17:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/29/19 17:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/29/19 17:17	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/29/19 17:17	127-18-4	

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40188167

Sample: TRIP BLANK **Lab ID: 40188167015** Collected: 05/22/19 00:00 Received: 05/23/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/29/19 17:17	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/29/19 17:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/29/19 17:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/29/19 17:17	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/29/19 17:17	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/29/19 17:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/29/19 17:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/29/19 17:17	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/29/19 17:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/29/19 17:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/29/19 17:17	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/29/19 17:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/29/19 17:17	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/29/19 17:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/29/19 17:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/29/19 17:17	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		1		05/29/19 17:17	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/29/19 17:17	2037-26-5	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

QC Batch: 322410 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40188167001, 40188167002, 40188167003, 40188167004, 40188167005, 40188167006, 40188167007, 40188167008, 40188167009, 40188167010, 40188167011, 40188167012, 40188167013, 40188167014

METHOD BLANK: 1872427 Matrix: Water
Associated Lab Samples: 40188167001, 40188167002, 40188167003, 40188167004, 40188167005, 40188167006, 40188167007, 40188167008, 40188167009, 40188167010, 40188167011, 40188167012, 40188167013, 40188167014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<6.4	21.4	05/24/19 20:30	

LABORATORY CONTROL SAMPLE: 1872428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	470	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1872429 1872430

Parameter	Units	40188167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<6.4	500	500	482	482	96	96	75-125	0	20	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

QC Batch: 322353 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40188167001, 40188167002, 40188167003, 40188167004, 40188167005, 40188167006, 40188167007, 40188167008, 40188167009, 40188167010, 40188167011, 40188167012, 40188167013, 40188167014

METHOD BLANK: 1872070 Matrix: Water
Associated Lab Samples: 40188167001, 40188167002, 40188167003, 40188167004, 40188167005, 40188167006, 40188167007, 40188167008, 40188167009, 40188167010, 40188167011, 40188167012, 40188167013, 40188167014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/28/19 06:01	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/28/19 06:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/28/19 06:01	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/28/19 06:01	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/28/19 06:01	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/28/19 06:01	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/28/19 06:01	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/28/19 06:01	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/28/19 06:01	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/28/19 06:01	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/28/19 06:01	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/28/19 06:01	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/28/19 06:01	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/28/19 06:01	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/28/19 06:01	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/28/19 06:01	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/28/19 06:01	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/28/19 06:01	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/28/19 06:01	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/28/19 06:01	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/28/19 06:01	
2-Chlorotoluene	ug/L	<0.93	5.0	05/28/19 06:01	
4-Chlorotoluene	ug/L	<0.76	2.5	05/28/19 06:01	
Benzene	ug/L	<0.25	1.0	05/28/19 06:01	
Bromobenzene	ug/L	<0.24	1.0	05/28/19 06:01	
Bromochloromethane	ug/L	<0.36	5.0	05/28/19 06:01	
Bromodichloromethane	ug/L	<0.36	1.2	05/28/19 06:01	
Bromoform	ug/L	<4.0	13.2	05/28/19 06:01	
Bromomethane	ug/L	<0.97	5.0	05/28/19 06:01	
Carbon tetrachloride	ug/L	<0.17	1.0	05/28/19 06:01	
Chlorobenzene	ug/L	<0.71	2.4	05/28/19 06:01	
Chloroethane	ug/L	<1.3	5.0	05/28/19 06:01	
Chloroform	ug/L	<1.3	5.0	05/28/19 06:01	
Chloromethane	ug/L	<2.2	7.3	05/28/19 06:01	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/28/19 06:01	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/28/19 06:01	
Dibromochloromethane	ug/L	<2.6	8.7	05/28/19 06:01	
Dibromomethane	ug/L	<0.94	3.1	05/28/19 06:01	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/28/19 06:01	
Diisopropyl ether	ug/L	<1.9	6.3	05/28/19 06:01	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

METHOD BLANK: 1872070 Matrix: Water

Associated Lab Samples: 40188167001, 40188167002, 40188167003, 40188167004, 40188167005, 40188167006, 40188167007, 40188167008, 40188167009, 40188167010, 40188167011, 40188167012, 40188167013, 40188167014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	05/28/19 06:01	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/28/19 06:01	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/28/19 06:01	
m&p-Xylene	ug/L	<0.47	2.0	05/28/19 06:01	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/28/19 06:01	
Methylene Chloride	ug/L	<0.58	5.0	05/28/19 06:01	
n-Butylbenzene	ug/L	<0.71	2.4	05/28/19 06:01	
n-Propylbenzene	ug/L	<0.81	5.0	05/28/19 06:01	
Naphthalene	ug/L	<1.2	5.0	05/28/19 06:01	
o-Xylene	ug/L	<0.26	1.0	05/28/19 06:01	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/28/19 06:01	
sec-Butylbenzene	ug/L	<0.85	5.0	05/28/19 06:01	
Styrene	ug/L	<0.47	1.6	05/28/19 06:01	
tert-Butylbenzene	ug/L	<0.30	1.0	05/28/19 06:01	
Tetrachloroethene	ug/L	<0.33	1.1	05/28/19 06:01	
Toluene	ug/L	<0.17	5.0	05/28/19 06:01	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/28/19 06:01	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/28/19 06:01	
Trichloroethene	ug/L	<0.26	1.0	05/28/19 06:01	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/28/19 06:01	
Vinyl chloride	ug/L	<0.17	1.0	05/28/19 06:01	
4-Bromofluorobenzene (S)	%	92	70-130	05/28/19 06:01	
Dibromofluoromethane (S)	%	97	70-130	05/28/19 06:01	
Toluene-d8 (S)	%	98	70-130	05/28/19 06:01	

LABORATORY CONTROL SAMPLE: 1872071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	50.3	101	73-150	
1,1-Dichloroethene	ug/L	50	49.8	100	73-138	
1,2,4-Trichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.7	91	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.2	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	53.0	106	75-140	
1,2-Dichloropropane	ug/L	50	57.0	114	73-135	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	51.9	104	70-130	
Benzene	ug/L	50	52.2	104	70-130	
Bromodichloromethane	ug/L	50	53.1	106	70-130	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

LABORATORY CONTROL SAMPLE: 1872071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	54.1	108	68-129	
Bromomethane	ug/L	50	34.0	68	18-159	
Carbon tetrachloride	ug/L	50	48.8	98	70-130	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	46.4	93	53-147	
Chloroform	ug/L	50	51.9	104	74-136	
Chloromethane	ug/L	50	37.0	74	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	70-130	
Dibromochloromethane	ug/L	50	50.7	101	70-130	
Dichlorodifluoromethane	ug/L	50	37.5	75	10-130	
Ethylbenzene	ug/L	50	53.5	107	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	51.6	103	54-137	
Methylene Chloride	ug/L	50	51.1	102	73-138	
o-Xylene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	53.6	107	70-130	
Tetrachloroethene	ug/L	50	53.0	106	70-130	
Toluene	ug/L	50	51.9	104	80-126	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	51.2	102	76-147	
Vinyl chloride	ug/L	50	43.1	86	51-120	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1873574 1873575

Parameter	Units	40188167004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50.0	47.6	100	95	70-130	5	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.1	51.9	102	104	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	49.2	50.6	98	101	70-137	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	48.4	48.5	97	97	73-153	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	45.1	46.9	90	94	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	42.5	42.4	85	84	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.8	47.0	96	94	58-129	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	47.6	48.4	95	97	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.5	46.8	95	94	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.1	51.4	102	103	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	52.3	52.8	105	106	71-138	1	20	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1873574 1873575

Parameter	Units	40188167004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.63	50	50	46.4	46.0	93	92	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.0	46.8	96	94	70-130	3	20	
Benzene	ug/L	<0.25	50	50	48.6	49.1	97	98	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.8	49.6	98	99	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	49.0	51.3	98	103	68-129	5	20	
Bromomethane	ug/L	<0.97	50	50	32.5	37.2	65	74	15-170	14	20	
Carbon tetrachloride	ug/L	<0.17	50	50	47.0	44.9	94	90	70-130	5	20	
Chlorobenzene	ug/L	<0.71	50	50	47.7	49.2	95	98	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	43.3	43.2	87	86	51-148	0	20	
Chloroform	ug/L	<1.3	50	50	50.3	49.2	101	98	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	32.1	31.7	64	63	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	47.1	45.7	94	91	70-131	3	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	45.6	46.6	91	93	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.7	48.4	95	97	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	24.0	24.6	48	49	10-132	2	20	
Ethylbenzene	ug/L	<0.22	50	50	47.4	49.6	95	99	80-125	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	46.6	47.8	93	96	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	100	100	100	100	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	50.5	46.7	101	93	51-145	8	20	
Methylene Chloride	ug/L	<0.58	50	50	48.0	48.4	96	97	73-140	1	20	
o-Xylene	ug/L	<0.26	50	50	48.2	48.1	96	96	70-130	0	20	
Styrene	ug/L	<0.47	50	50	48.7	50.4	97	101	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	47.9	47.0	96	94	70-130	2	20	
Toluene	ug/L	<0.17	50	50	47.6	49.1	95	98	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.1	44.4	94	89	73-148	6	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	43.2	44.0	86	88	70-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	47.9	51.0	96	102	70-130	6	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	46.4	45.6	93	91	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	36.8	37.8	74	76	41-129	3	20	
4-Bromofluorobenzene (S)	%						93	96	70-130			
Dibromofluoromethane (S)	%						101	99	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

QC Batch: 322433 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40188167015

METHOD BLANK: 1873372 Matrix: Water
Associated Lab Samples: 40188167015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/29/19 08:14	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/29/19 08:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/29/19 08:14	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/29/19 08:14	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/29/19 08:14	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/29/19 08:14	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/29/19 08:14	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/29/19 08:14	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/29/19 08:14	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/29/19 08:14	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/29/19 08:14	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/29/19 08:14	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/29/19 08:14	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/29/19 08:14	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/29/19 08:14	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/29/19 08:14	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/29/19 08:14	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/29/19 08:14	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/29/19 08:14	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/29/19 08:14	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/29/19 08:14	
2-Chlorotoluene	ug/L	<0.93	5.0	05/29/19 08:14	
4-Chlorotoluene	ug/L	<0.76	2.5	05/29/19 08:14	
Benzene	ug/L	<0.25	1.0	05/29/19 08:14	
Bromobenzene	ug/L	<0.24	1.0	05/29/19 08:14	
Bromochloromethane	ug/L	<0.36	5.0	05/29/19 08:14	
Bromodichloromethane	ug/L	<0.36	1.2	05/29/19 08:14	
Bromoform	ug/L	<4.0	13.2	05/29/19 08:14	
Bromomethane	ug/L	<0.97	5.0	05/29/19 08:14	
Carbon tetrachloride	ug/L	<0.17	1.0	05/29/19 08:14	
Chlorobenzene	ug/L	<0.71	2.4	05/29/19 08:14	
Chloroethane	ug/L	<1.3	5.0	05/29/19 08:14	
Chloroform	ug/L	<1.3	5.0	05/29/19 08:14	
Chloromethane	ug/L	<2.2	7.3	05/29/19 08:14	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/29/19 08:14	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/29/19 08:14	
Dibromochloromethane	ug/L	<2.6	8.7	05/29/19 08:14	
Dibromomethane	ug/L	<0.94	3.1	05/29/19 08:14	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/29/19 08:14	
Diisopropyl ether	ug/L	<1.9	6.3	05/29/19 08:14	
Ethylbenzene	ug/L	<0.22	1.0	05/29/19 08:14	

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

METHOD BLANK: 1873372 Matrix: Water
Associated Lab Samples: 40188167015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/29/19 08:14	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/29/19 08:14	
m&p-Xylene	ug/L	<0.47	2.0	05/29/19 08:14	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/29/19 08:14	
Methylene Chloride	ug/L	<0.58	5.0	05/29/19 08:14	
n-Butylbenzene	ug/L	<0.71	2.4	05/29/19 08:14	
n-Propylbenzene	ug/L	<0.81	5.0	05/29/19 08:14	
Naphthalene	ug/L	<1.2	5.0	05/29/19 08:14	
o-Xylene	ug/L	<0.26	1.0	05/29/19 08:14	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/29/19 08:14	
sec-Butylbenzene	ug/L	<0.85	5.0	05/29/19 08:14	
Styrene	ug/L	<0.47	1.6	05/29/19 08:14	
tert-Butylbenzene	ug/L	<0.30	1.0	05/29/19 08:14	
Tetrachloroethene	ug/L	<0.33	1.1	05/29/19 08:14	
Toluene	ug/L	<0.17	5.0	05/29/19 08:14	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/29/19 08:14	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/29/19 08:14	
Trichloroethene	ug/L	<0.26	1.0	05/29/19 08:14	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/29/19 08:14	
Vinyl chloride	ug/L	<0.17	1.0	05/29/19 08:14	
4-Bromofluorobenzene (S)	%	93	70-130	05/29/19 08:14	
Dibromofluoromethane (S)	%	99	70-130	05/29/19 08:14	
Toluene-d8 (S)	%	101	70-130	05/29/19 08:14	

LABORATORY CONTROL SAMPLE: 1873373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	56.4	113	73-150	
1,1-Dichloroethene	ug/L	50	50.6	101	73-138	
1,2,4-Trichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.7	85	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	46.3	93	75-140	
1,2-Dichloropropane	ug/L	50	49.3	99	73-135	
1,3-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
Benzene	ug/L	50	48.8	98	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	43.7	87	68-129	
Bromomethane	ug/L	50	47.5	95	18-159	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

LABORATORY CONTROL SAMPLE: 1873373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	50.2	100	70-130	
Chlorobenzene	ug/L	50	50.4	101	70-130	
Chloroethane	ug/L	50	47.5	95	53-147	
Chloroform	ug/L	50	46.6	93	74-136	
Chloromethane	ug/L	50	42.1	84	29-115	
cis-1,2-Dichloroethene	ug/L	50	43.6	87	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.0	86	70-130	
Dibromochloromethane	ug/L	50	45.2	90	70-130	
Dichlorodifluoromethane	ug/L	50	41.6	83	10-130	
Ethylbenzene	ug/L	50	52.2	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.8	106	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	46.4	93	54-137	
Methylene Chloride	ug/L	50	49.0	98	73-138	
o-Xylene	ug/L	50	51.6	103	70-130	
Styrene	ug/L	50	51.7	103	70-130	
Tetrachloroethene	ug/L	50	51.1	102	70-130	
Toluene	ug/L	50	49.9	100	80-126	
trans-1,2-Dichloroethene	ug/L	50	48.6	97	73-145	
trans-1,3-Dichloropropene	ug/L	50	43.0	86	70-130	
Trichloroethene	ug/L	50	51.6	103	70-130	
Trichlorofluoromethane	ug/L	50	49.3	99	76-147	
Vinyl chloride	ug/L	50	45.8	92	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1873374 1873375

Parameter	Units	40188354009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.8	49.6	100	99	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.7	50.8	101	102	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.4	50.4	103	101	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	54.4	54.3	109	109	73-153	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	52.4	51.7	105	103	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.5	50.7	101	101	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	45.9	44.6	92	89	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.2	51.3	98	103	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.7	50.9	101	102	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	47.5	48.0	95	96	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50.2	51.5	100	103	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.5	50.9	101	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.1	50.2	100	100	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40188167

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1873374 1873375

Parameter	Units	40188354009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	48.8	50.2	98	100	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.8	50.5	98	101	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	44.8	45.9	90	92	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	44.6	47.0	89	94	15-170	5	20	
Carbon tetrachloride	ug/L	<0.17	50	50	51.3	51.9	103	104	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	51.0	50.8	102	102	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	52.5	51.9	105	104	51-148	1	20	
Chloroform	ug/L	<1.3	50	50	49.1	47.8	98	96	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	41.9	41.7	84	83	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.3	45.5	99	91	70-131	8	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	44.3	44.6	89	89	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.3	46.3	91	93	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	41.4	43.0	83	86	10-132	4	20	
Ethylbenzene	ug/L	<0.22	50	50	52.6	52.7	105	105	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.9	53.9	108	108	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	106	104	106	104	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.0	49.8	98	100	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	51.1	50.4	102	101	73-140	1	20	
o-Xylene	ug/L	<0.26	50	50	51.7	52.3	103	105	70-130	1	20	
Styrene	ug/L	<0.47	50	50	53.5	51.8	107	104	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	50.0	52.2	100	104	70-130	4	20	
Toluene	ug/L	<0.17	50	50	51.5	51.2	103	102	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	51.1	50.7	102	101	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	43.5	43.6	87	87	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	53.0	53.4	106	106	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	50.5	50.2	101	100	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	46.7	46.1	93	92	41-129	1	20	
4-Bromofluorobenzene (S)	%						99	101	70-130			
Dibromofluoromethane (S)	%						95	96	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: JULSON STORE
Pace Project No.: 40188167

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JULSON STORE
Pace Project No.: 40188167

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40188167001	**MW-1**	EPA 6010	322410		
40188167002	**MW-4**	EPA 6010	322410		
40188167003	**MW-5A**	EPA 6010	322410		
40188167004	**MW-5B**	EPA 6010	322410		
40188167005	**MW-6**	EPA 6010	322410		
40188167006	**MW-7**	EPA 6010	322410		
40188167007	**MW-8A**	EPA 6010	322410		
40188167008	**MW-8B**	EPA 6010	322410		
40188167009	**MW-9**	EPA 6010	322410		
40188167010	**MW-10A**	EPA 6010	322410		
40188167011	**MW-10B**	EPA 6010	322410		
40188167012	**MW-11A**	EPA 6010	322410		
40188167013	**MW-11B**	EPA 6010	322410		
40188167014	**PW**	EPA 6010	322410		
40188167001	**MW-1**	EPA 8260	322353		
40188167002	**MW-4**	EPA 8260	322353		
40188167003	**MW-5A**	EPA 8260	322353		
40188167004	**MW-5B**	EPA 8260	322353		
40188167005	**MW-6**	EPA 8260	322353		
40188167006	**MW-7**	EPA 8260	322353		
40188167007	**MW-8A**	EPA 8260	322353		
40188167008	**MW-8B**	EPA 8260	322353		
40188167009	**MW-9**	EPA 8260	322353		
40188167010	**MW-10A**	EPA 8260	322353		
40188167011	**MW-10B**	EPA 8260	322353		
40188167012	**MW-11A**	EPA 8260	322353		
40188167013	**MW-11B**	EPA 8260	322353		
40188167014	**PW**	EPA 8260	322353		
40188167015	**TRIP BLANK**	EPA 8260	322433		

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(Please Print Clearly)

Company Name:	Meridian Brucks Llc
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6608
Project Number:	
Project Name:	Judson Store
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

401881 67

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Brucks Llc
Mail To Address:	2711 N. Florad Fall Creek, WI
Invoice To Contact:	54742
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC 8260	Dissolved Pb	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	5/22		GW			X	X			
002	-4										
003	-5A										
004	-5B										
005	-6										
006	-7										
007	-8A										
008	-8B										
009	-9										
010	-10A										
011	-10B										
012	-11A										
013	-11B										

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	5/22/19	FedEx	5/22/19
FedEx	5/23/19 850	Jose Vargas PAC	5/23/19 850

PACE Project No.
401881 67

Receipt Temp = 10.1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

40188167

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Mesa Laboratories
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6608
Project Number:	
Project Name:	Judson Store
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Mesa Laboratories
Mail To Address:	2711 N. Enco Rd Fall Creek, WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO)
PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: VOC 8260	Dissolved Pb	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	PW	5/22		GW			X	X			
015	Trip Blank ①									① added In lab 5/23/19 SW	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time: 5/22/19	Received By:	Date/Time: 5/22/19	PACE Project No. 40188167
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time: 5/23/19	Received By: Jose Vargas Pace	Date/Time: 5/23/19	Receipt Temp = ROI °C
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH (OK) / Adjusted
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Intact / Not Intact
Fax:					

Samples on HOLD are subject to special pricing and release of liability

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Meridian Project # 40188167

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: JV Date/ Time:

Lab Lot# of pH paper: 10453581 Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001													1						2											X		2.5 / 5 / 10
002													1						3											X		2.5 / 5 / 10
003													1						3											X		2.5 / 5 / 10
004													1						3											X		2.5 / 5 / 10
005													1						3											X		2.5 / 5 / 10
006													1						3											X		2.5 / 5 / 10
007													1						3											X		2.5 / 5 / 10
008													1						3											X		2.5 / 5 / 10
009													1						3											X		2.5 / 5 / 10
010													1						3											X		2.5 / 5 / 10
011													1						3											X		2.5 / 5 / 10
012													1						3								1			X		2.5 / 5 / 10
013													1						3											X		2.5 / 5 / 10
014													1						2											X		2.5 / 5 / 10
015																			2													2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ☐Yes ☐No ☒N/A 5/23/2019 JV *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40188167**

40188167

Client Name: Meridian

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 7874 0283 7354

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** Wet (Blue) Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 20.1 /Corr:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 5/23/2019
Initials: SV

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. No Invoice No times 5/23/2019
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3. No time 5/23/2019 SV
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. No Date or time on HNO3 Bottles or Vials 5/23/19 SV
-Includes date/time/ID/Analysis Matrix:	W	
Trip Blank Present: 5/23/2019 SV	☒Yes ☐No ☒N/A	13. added in lab 5/23/2019 SV
Trip Blank Custody Seals Present	☒Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): 423116	5/23/2019 SV	

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 5-24-19